



Center for Health Statistics



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**DATA
SUMMARY
No. DS05-
12000**

This Data Summary is one of a series of leading cause of death reports.

Highlights

- In 2003, 82.8 percent of all heart disease deaths in California occurred among people age 65 and older.
- The heart disease crude death rate for California was 192.0 deaths per 100,000 population in 2003.
- During 2003 the California heart disease age-adjusted death rate of 207.8 was lower than the U. S. rate of 232.1.
- In 2003 Blacks had a higher heart disease age-adjusted death rate than the other six race/ethnic groups.

Heart Disease Deaths in California, 2000-2003

By Daniel H. Cox

Introduction

Heart disease has historically been the leading cause of death in the United States (U.S.) and in California. Approximately 23.5 million noninstitutionalized adults had been diagnosed with heart disease in the U.S. in 2003.¹ During the same year 4.4 million hospital discharges were attributed to heart disease with an average length of stay of 4.6 days.¹ There were 684,462 heart disease deaths in the U. S. in 2003.²

This report presents data on heart disease deaths from 2000 to 2003 and provides analysis of crude and age-adjusted death rates for California residents by sex, age, race/ethnicity, and county. The definition of heart disease used in this report is based on the International Classification of Diseases, Tenth Revision (ICD-10) codes I00-I09, I11, I13, and I20-I51 currently presented in National Center for Health Statistics (NCHS) reports.³ The national health objective for heart disease, as defined by the Healthy People 2010 initiative, pertains to coronary heart disease (a narrowly defined subset of heart disease). Therefore, an assessment of California's progress in meeting this objective cannot be monitored with the data presented in this report. An analysis of California's progress in meeting the national health objective for coronary heart disease is presented in other Center for Health Statistics (CHS) reports.⁴

Heart Disease Deaths

Table 1 (pages 9 and 10) displays California heart disease death data for 2003 by race/ethnicity, age, and sex. Heart disease deaths occur predominantly among the older population, and this held true in 2003 with 82.8 percent of all heart disease deaths involving people in the age groups 65 years and older. These age groups, within each respective race/ethnic group, accounted for 86.2 percent of all heart disease deaths among Whites, 81.8 percent among Asians, 74.4 percent among Hispanics, 71.2 percent among Two or

¹ National Center for Health Statistics. Division of Data Services. Fast Stats A to Z: Heart Disease, April 2005. <http://www.cdc.gov/nchs/fastats/heart.htm>

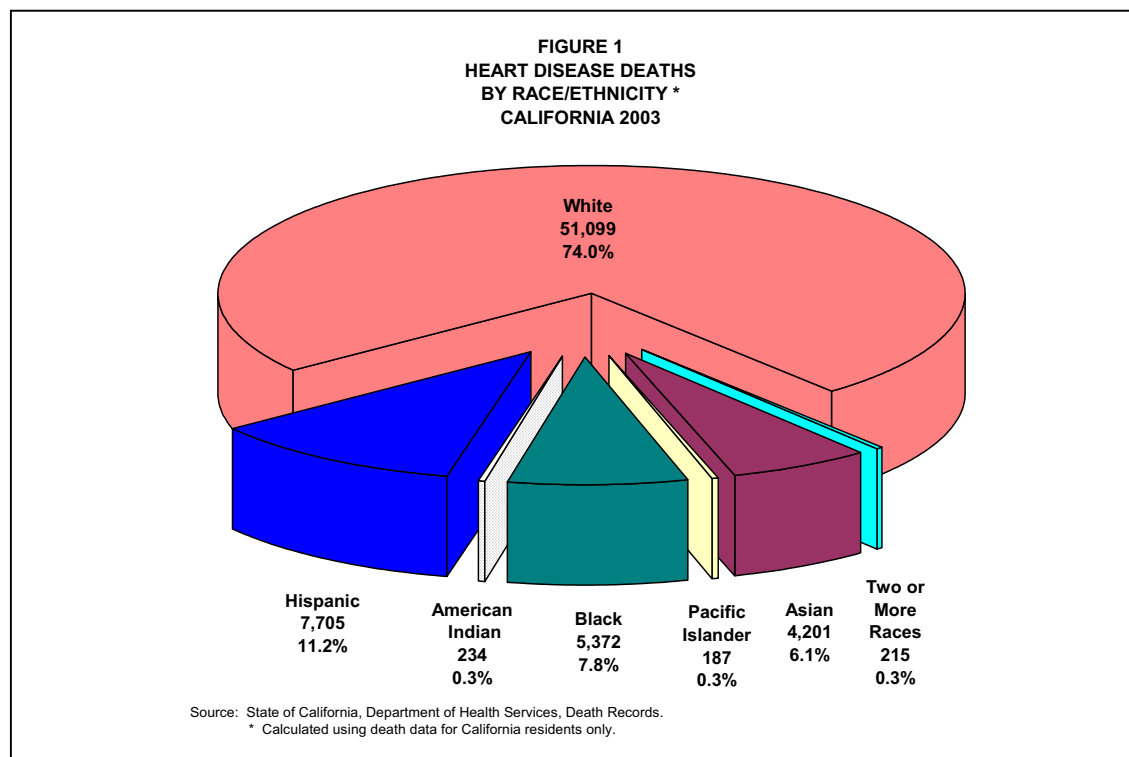
² National Center for Health Statistics, Deaths: Preliminary Data for 2003. National Vital Statistics Reports, DHHS Pub. No. (PHS) 2005-1120, PRS 05-0162, Vol. 53, No. 15, February 2005.

³ National Center for Health Statistics, Deaths: Preliminary Data for 1999. National Vital Statistics Reports, DHHS Pub. No. (PHS) 2001-1120, PRS 01-0358, Vol. 49, No. 3, June 2001.

⁴ Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services. April 2005.

More Races, 65.9 percent among Blacks, 65.8 percent among American Indians, and 56.7 percent among Pacific Islanders. During 2003 the number of deaths attributed to heart disease was slightly higher among males (34,574) than among females (34,439).

As shown in **Figure 1**, the number of heart disease deaths among Whites (51,099) was higher than Hispanics (7,705), Blacks (5,372), Asians (4,201), American Indians (234), Two or More Races (215), and Pacific Islanders (187).



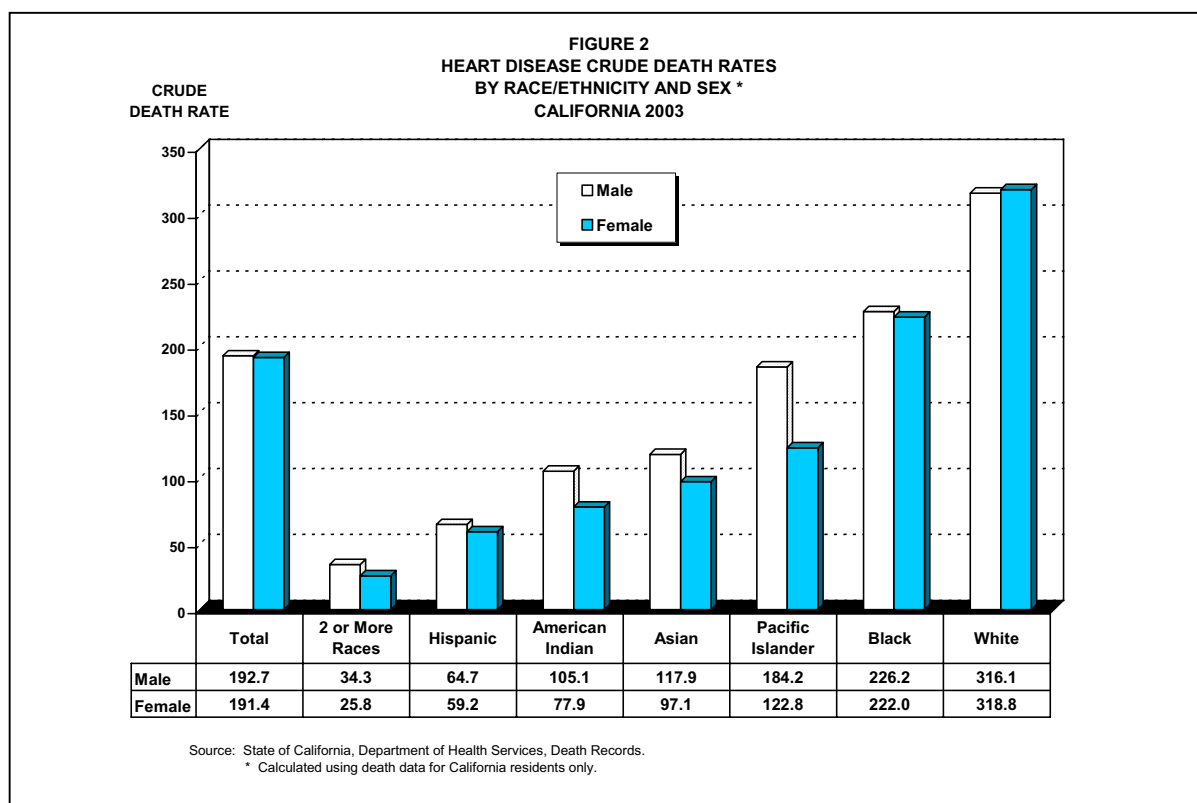
Heart Disease Crude Death Rates

The heart disease crude death rate for California decreased significantly from 201.3 deaths per 100,000 population in 2000 (**Table 4** pages 15 and 16) to 192.0 in 2003. As shown in **Table 1** (pages 9 and 10), Whites had the highest crude death rate in 2003, a rate of 317.5 that was followed by Blacks with a rate of 224.1. Pacific Islanders were next with a crude rate of 153.5, followed by Asians with a rate of 107.2. American Indians were next with a rate of 91.2 followed by Hispanics with a rate of 62.0. Last was the Two or More Races category with a heart disease crude death rate of 30.0 deaths per 100,000 population. As shown in **Table 4**, four of these seven rates increased from 2000 when Pacific Islanders had a heart disease crude death rate of 149.3, Asians had a rate of 101.5, Hispanics had a rate of 60.9, and Two or More Races had a rate of 13.9. The increases among Asians and Two or More Races from 2000 to 2003 were statistically significant. The heart disease crude death rates that decreased from 2000 were Whites with a rate of 325.5, Blacks with a rate of 237.2, and American Indians with a rate of 109.5. The decreases among the heart disease crude death rates for Whites and Blacks from 2000 to 2003 were statistically significant.

Figure 2 (page 3) shows males in all race/ethnic groups except White had higher heart disease crude death rates than females in the corresponding race/ethnic groups.

See the [Methodological Approach Section](#) later in this report for an explanation of crude, age-specific, and age-adjusted death rates.

These differences among males and females were significant for American Indians, Asians, Hispanics, Pacific Islanders, and Two or More Races.



Heart Disease Age-Specific Death Rates

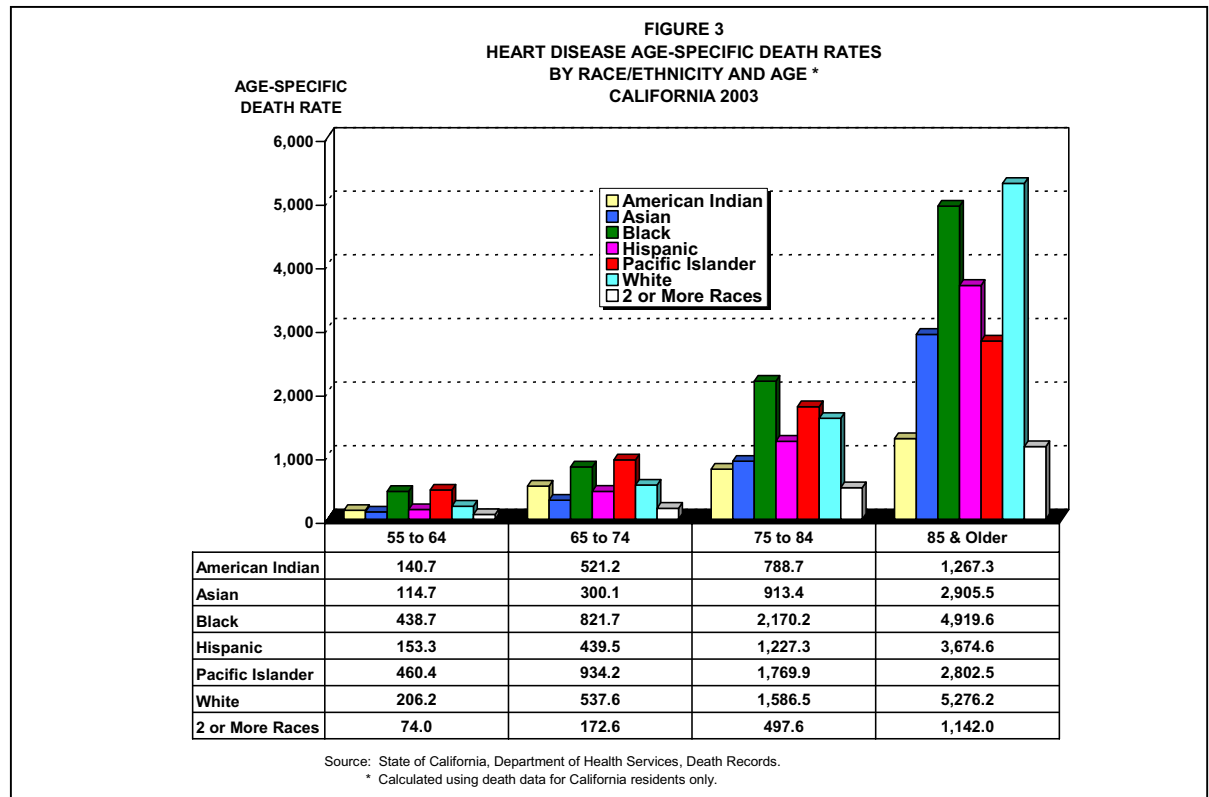
In **Table 1** (pages 9 and 10), reliable age-specific rates show that among the sexes in 2003, males in the seven race/ethnic groups consistently had higher heart disease death rates than females in the corresponding race/ethnic groups. The only exception to this was in the 85 and Older age group where Black females had a higher death rate than Black males and Hispanic females had a higher rate than Hispanic males.

Figure 3 (page 4) shows that in 2003, among the age groups with reliable rates, Pacific Islanders had higher heart disease age-specific death rates than the other six race/ethnic groups in the 55 to 64 and 65 to 74 age groups. In the 75 to 84 and 85 and Older age groups Blacks had higher death rates than the other six race/ethnic groups.

Not shown in **Figure 3**, but displayed in **Table 1** are the heart disease age-specific death rates for the 45 to 54 age group where Blacks had a higher death rate than Pacific Islanders, Whites, American Indians, Asians, and Hispanics. The rate for Two or More Races was not reliable in the 45 to 54 age group. In the 35 to 44 age group Blacks had a higher heart disease death rate than Whites, Hispanics, and Asians. The rate for American Indians, Pacific Islanders, and Two or More Races was not reliable in the 35 to 44 age group. The same pattern was seen in the 25 to 34 age group where Blacks had a higher death rate than Whites, Asians, and Hispanics and the rate for American Indians, Pacific Islanders, and Two or More Races was not reliable.

You can read more about crude and age-adjusted rates on the National Center for Health Statistics Web site at www.cdc.gov/nchs/

In the 15 to 24 age group Whites had a higher heart disease death rate than Hispanics. The other five race/ethnic groups did not have reliable rates in the 15 to 24 age group. In the Under 1 age group Hispanics had the only reliable rate. There were no reliable rates for the 1 to 4 or 5 to 14 age groups.



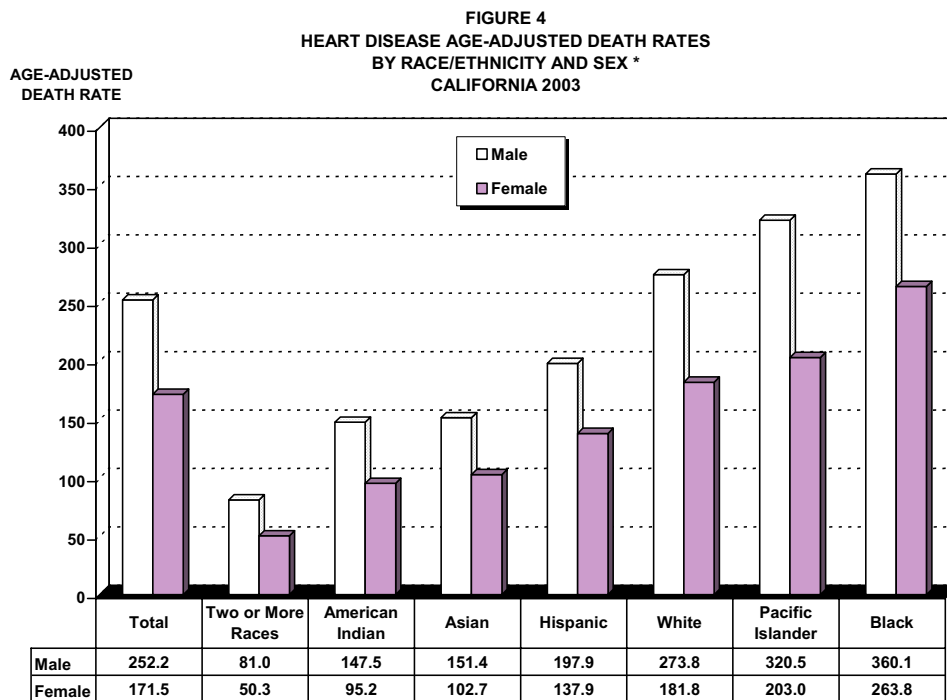
Heart Disease Age-Adjusted Death Rates

In 2003 the California heart disease age-adjusted death rate of 207.8 deaths per 100,000 population was lower than the U.S. rate of 232.1.² The California rate decreased from 2000 when the rate was 236.3. This difference in the California heart disease age-adjusted death rates between 2000 and 2003 was statistically significant.

Displayed in **Table 1** (pages 9 and 10), a comparison among the race/ethnic groups shows that in 2003 Blacks had a heart disease age-adjusted death rate (307.6) which was higher than Pacific Islanders (258.7), Whites (223.4), Hispanics (164.7), Asians (124.2), American Indians (118.6), and Two or More Races (64.3). Six of these seven rates decreased from 2000. In 2000 the heart disease age-adjusted death rates were higher for Blacks, Pacific Islanders, Whites, Hispanics, American Indians, and Asians. In contrast to the findings for the other six race/ethnic groups the rate for Two or More Races increased from 2000. All of these differences from 2000 to 2003 were statistically significant except for the difference among Pacific Islanders.

As shown in **Figure 4** (page 5), in 2003 the heart disease age-adjusted death rate for males was higher than for females overall and in each individual race/ethnic group. All of these differences were statistically significant.

See the Vital Statistics Query System (VSQ) at our Web site www.applications.dhs.ca.gov/vsq/default.asp to create your own vital statistics tables.



Source: State of California, Department of Health Services, Death Records.
* Calculated using death data for California residents only.

Heart Disease Death Data for California Counties

Table 5 (page 17) displays the number of deaths, crude death rates, and age-adjusted death rates by county averaged over a three-year period, 2001 to 2003. This averaging is done to reduce the large fluctuations in the death rates that are inherent among counties with a small number of events and/or population.

The highest average number of heart disease deaths occurred in Los Angeles County (19,229.0) and the lowest average number of deaths occurred in Alpine County (2.0).

The highest and lowest reliable heart disease crude death rates were in Inyo County (377.5 per 100,000 population) and San Benito County (114.4).

The status of heart disease age-adjusted death rates among the counties showed Yuba County with the highest reliable rate (293.8 deaths per 100,000 population) and Trinity County with the lowest (151.4).

In 2003, 29 counties had a significantly different heart disease age-adjusted death rate than the California rate of 214.9; all of these County death rates were reliable.

Heart Disease Death Data by City Health Jurisdiction

Table 6 (page 6) displays the number of deaths and crude death rates for California's three city health jurisdictions averaged over a three-year period, 2001 to 2003. Age-adjusted death rates were not calculated for the city health jurisdictions because city population estimates by age were not available.

For more data, see DHS Center for Health Statistics, Office of Health Information and Research Home Page at www.dhs.ca.gov/ohir

The city of Long Beach had an average of 1,136.3 heart disease deaths, Pasadena had an average of 385.0 deaths, and Berkeley had an average of 170.3 deaths.

Pasadena had a heart disease crude death rate of 277.2 deaths per 100,000 population, Long Beach had a crude rate of 240.1, and Berkeley had a crude rate of 163.4.

TABLE 6
HEART DISEASE DEATHS
AMONG THE CITY HEALTH JURISDICTIONS*
CALIFORNIA, 2001-2003

CITY HEALTH JURISDICTION	NUMBER OF DEATHS (Average)	2002 POPULATION	CRUDE DEATH RATE
BERKELEY	170.3	104,254	163.4
LONG BEACH	1,136.3	473,363	240.1
PASADENA	385.0	138,904	277.2

Note: Rates are per 100,000 population. Data is ICD-10 codes I00-I09,I11,I13,I20-I51.

* Calculated using death data for California residents only.

Source: State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, 2001-2005, with 2000 DRU Benchmark, May 2005.
State of California, Department of Health Services, Death records.

Methodological Approach

The methods used to analyze vital statistics data are important. Analyzing only the number of deaths has its disadvantages and can be misleading because the population at risk is not taken into consideration. Crude death rates show the actual rate of dying in a given population, but because of the differing age compositions of various populations, crude rates do not provide a statistically valid method for comparing geographic areas and/or multiple reporting periods. Age-specific death rates are the number of deaths per 100,000 population in a specific age group and are used along with standard population proportions to develop a weighted average rate. The weighted average rate is referred to as an age-adjusted death rate and removes the effect of different age structures of the populations whose rates are being compared. Age-adjusted death rates therefore provide the preferred method for comparing different race/ethnic groups, sexes, and geographic areas and for measuring death rates over time.

Age-adjusted rates are presented when the single, summary measure is needed, but data analysts should inspect age-specific rates first.⁵ Age-specific rates provide insights to important age-related mortality trends that can be masked by age-adjusted rates. For example, a shift in the number of deaths from one age group to another could produce very little change in the age-adjusted rate, but may warrant further investigation. In addition, analysis of age-specific rates can reveal that populations being compared do not show a consistent relationship (e.g., the trend is not in the same direction for all

⁵ Choi BCK, de Guia NA, and Walsh P. Look before you leap: Stratify before you standardize. American Journal of Epidemiology, 149: 1087-1096. 1999.

age-specific rates) in which case the analysis of age-specific rates is recommended over age-adjusted rates.

Data Limitations and Qualifications

The heart disease death data presented in this report are based on vital statistics records with ICD-10 codes I00-I09, I11, I13, I20-I51 as defined by the NCHS.³ Deaths by place of residence means that the data include only those deaths occurring among residents of California, regardless of the place of death.

The term “significant” within the text indicates statistical significance based on the difference between two independent rates ($p < .05$). Significant difference between the county and State age-adjusted death rates was determined by comparing the 95 percent confidence intervals (CI) of the two rates, which are based on the rate, standard deviation, and standard error. Rates were considered to be significantly different from each other when their CIs (rounded to the nearest hundredth) did not overlap. If the upper limit of the county CI fell below the lower limit of the State CI, the county rate was deemed to be significantly lower. If the lower limit of the county CI exceeded the higher limit of the State CI, the county rate was deemed to be significantly higher. Significant differences of overlapping CIs were not addressed in this report. Overlapping CIs require a more precise statistical measure to determine significant and non-significant differences in rates because CIs may overlap as much as 29 percent and still be significantly different.⁶

As with any vital statistics data, caution needs to be exercised when analyzing small numbers, including the rates derived from them. Death rates calculated from a small number of deaths and/or population tend to be unreliable and subject to significant variation. To assist the reader, the 95 percent CIs are provided in the data tables as a tool for measuring the reliability of death rates. Rates with a relative standard error (coefficient of variation) greater than or equal to 23 percent are indicated with an asterisk (*). The CIs represent the range of values likely to contain the “true” value 95 percent of the time.

Beginning in 1999, cause of death is reported using ICD-10.⁷ Cause of death for 1979 through 1998 was coded using the International Classification of Diseases, Ninth Revision (ICD-9). Depending on the specific cause of death, the numbers of deaths and death rates are not comparable between ICD-9 and ICD-10. Therefore, our analyses do not combine both ICD-9 and ICD-10 data.

To meet the U.S. Office of Management and Budget minimum standards for race and ethnicity data collection and reporting, the report presents the following race/ethnic groups: American Indian, Asian, Black, Hispanic, Pacific Islander, White, and Two or More Races. Hispanic origin of decedents is determined first and includes any race group. Second, decedents of the Two or More Races group are determined and are not reported in single race groups. In order to remain consistent with the population data obtained from the Department of Finance, the single race groups are defined as follows: the “American Indian” race group includes Aleut, American Indian, and Eskimo;

⁶ van Belle G. Statistical Rules of Thumb, Rule 2.5. Wiley Publishing. March 2002.

⁷ World Health Organization. International Statistical Classification of Diseases and Related Health Problems. Tenth Revision. Geneva: World Health Organization. 1992.

the "Asian" race group includes Asian Indian, Asian (specified/unspecified), Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Laotian, Thai, and Vietnamese; the "Pacific Islander" race group includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander; the "White" race group includes White, Other (specified), Not Stated, and Unknown.

Caution should be exercised in the interpretation of mortality data by race/ethnicity. Misclassification of race/ethnicity on death certificates may contribute to death rates that may be understated among American Indians, Asians, Hispanics, and Pacific Islanders.⁸ This problem could contribute to understatements of rates for the Two or More Races group as well. All race groups may not be individually displayed on the tables due to unreliable rates, but the State totals do include their data.

Beginning in 2000 federal race/ethnicity reporting guidelines changed to allow reporting of more than one race on death certificates. California initiated use of the new guidelines on January 1, 2000, and collects up to three races. California's population estimates recently added the Multirace (Two or More Races) group. To be consistent with the population groups, current reports tabulate race of decedent using all races mentioned on the death certificate. Therefore, prior reports depicting race group statistics based on single race are not comparable with current reports.

The 2000 U.S. population standard was used for calculating age-adjustments in accordance with statistical policy implemented by NCHS.⁹ Age-adjusted death rates are not comparable when rates are calculated with different population standards, e.g., the 1940 standard population. Additionally, population data used to calculate city crude rates in **Table 6** (page 6) differ from population data used to calculate county crude rates in **Table 5** (page 17). Caution should be exercised when comparing the crude rates of the three city health jurisdictions with the crude rates of the 58 California counties. Age-adjusted rates for city health jurisdictions were not calculated.

A more complete explanation of age-adjustment methodology is available in the "Healthy People 2010 Statistical Notes" publication.¹⁰ Detailed information on data quality and limitations is presented in the appendix of the annual report, "Vital Statistics of California."¹¹ Formulas used to calculate death rates are included in the technical notes of the "County Health Status Profiles" report.¹²

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⁸ Rosenberg HM, et al. Quality of Death Rates by Race and Hispanic Origin: A Summary of Current Research, 1999. Vital and Health Statistics, Series 2, No.128, National Center for Health Statistics, DHHS Pub. No. (PHS) 99-1328. September 1999.

⁹ Anderson RN, Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. National Vital Statistics Reports; Volume 47, No. 3, Hyattsville, Maryland: National Center for Health Statistics. October 1998.

¹⁰ Klein RJ, Schoenborn CA. Healthy People 2010 Statistical Notes: Age Adjustment using the 2000 Projected U.S. Population. National Center for Health Statistics, DHHS Publication, No. 20. January 2001.

¹¹ Ficene S, Bindra K, Christensen J. Vital Statistics of California, 2002. Center for Health Statistics, California Department of Health Services. August 2004.

¹² Shippen S, Wilson C. County Health Status Profiles 2005. Center for Health Statistics, California Department of Health Services. April 2005.

TABLE 1
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	68	42	26	531,434	271,162	260,272	12.8	15.5	10.0	9.8	15.8	10.8	20.2	6.1	13.8
1 to 4	23	11	12	2,008,528	1,026,713	981,815	1.1	1.1 *	1.2 *	0.7	1.6	0.4	1.7	0.5	1.9
5 to 14	32	17	15	5,420,822	2,777,200	2,643,622	0.6	0.6 *	0.6 *	0.4	0.8	0.3	0.9	0.3	0.9
15 to 24	105	70	35	5,160,658	2,691,409	2,469,249	2.0	2.6	1.4	1.6	2.4	2.0	3.2	0.9	1.9
25 to 34	322	211	111	5,246,137	2,705,863	2,540,274	6.1	7.8	4.4	5.5	6.8	6.7	8.9	3.6	5.2
35 to 44	1,304	951	353	5,648,662	2,870,936	2,777,726	23.1	33.1	12.7	21.8	24.3	31.0	35.2	11.4	14.0
45 to 54	3,732	2,755	977	4,819,832	2,382,693	2,437,139	77.4	115.6	40.1	74.9	79.9	111.3	119.9	37.6	42.6
55 to 64	6,246	4,319	1,927	3,146,705	1,520,342	1,626,363	198.5	284.1	118.5	193.6	203.4	275.6	292.6	113.2	123.8
65 to 74	10,110	6,226	3,884	1,997,161	921,535	1,075,626	506.2	675.6	361.1	496.4	516.1	658.8	692.4	349.7	372.4
75 to 84	20,999	10,752	10,247	1,414,654	587,119	827,535	1,484.4	1,831.3	1,238.3	1,464.3	1,504.5	1,796.7	1,865.9	1,214.3	1,262.2
85 & Older	26,067	9,216	16,851	540,374	183,447	356,927	4,823.9	5,023.8	4,721.1	4,765.3	4,882.4	4,921.2	5,126.4	4,649.8	4,792.4
Unknown	5	4	1												
Total	69,013	34,574	34,439	35,934,967	17,938,419	17,996,548	192.0	192.7	191.4	190.6	193.5	190.7	194.8	189.3	193.4
Age-Adjusted							207.8	252.2	171.5	206.2	209.3	249.5	254.9	169.6	173.3
AMERICAN INDIAN															
Under 1	0	0	0	3,180	1,629	1,551	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	1	0	1	9,091	4,692	4,399	11.0 *	0.0 +	22.7 *	0.0	32.6	-	-	0.0	67.3
5 to 14	0	0	0	41,585	21,049	20,536	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	41,597	21,270	20,327	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	3	1	2	34,537	17,157	17,380	8.7 *	5.8 *	11.5 *	0.0	18.5	0.0	17.3	0.0	27.5
35 to 44	13	9	4	41,759	20,278	21,481	31.1 *	44.4 *	18.6 *	14.2	48.1	15.4	73.4	0.4	36.9
45 to 54	29	23	6	39,151	18,614	20,537	74.1	123.6	29.2 *	47.1	101.0	73.1	174.1	5.8	52.6
55 to 64	34	19	15	24,166	11,540	12,626	140.7	164.6	118.8 *	93.4	188.0	90.6	238.7	58.7	178.9
65 to 74	61	37	24	11,703	5,454	6,249	521.2	678.4	384.1	390.4	652.0	459.8	897.0	230.4	537.7
75 to 84	49	22	27	6,213	2,604	3,609	788.7	844.9	748.1	567.8	1,009.5	491.8	1,197.9	465.9	1,030.3
85 & Older	44	21	23	3,472	1,263	2,209	1,267.3	1,662.7	1,041.2	892.8	1,641.7	951.6	2,373.9	615.7	1,466.7
Unknown	0	0	0												
Total	234	132	102	256,454	125,550	130,904	91.2	105.1	77.9	79.6	102.9	87.2	123.1	62.8	93.0
Age-Adjusted							118.6	147.5	95.2	102.8	134.3	121.2	173.8	76.1	114.3
ASIAN															
Under 1	8	4	4	49,099	25,103	23,996	16.3 *	15.9 *	16.7 *	5.0	27.6	0.3	31.6	0.3	33.0
1 to 4	2	2	0	181,821	93,219	88,602	1.1 *	2.1 *	0.0 +	0.0	2.6	0.0	5.1	-	-
5 to 14	5	2	3	500,584	258,445	242,139	1.0 *	0.8 *	1.2 *	0.1	1.9	0.0	1.8	0.0	2.6
15 to 24	10	5	5	547,727	281,307	266,420	1.8 *	1.8 *	1.9 *	0.7	3.0	0.2	3.3	0.2	3.5
25 to 34	30	20	10	609,005	297,832	311,173	4.9	6.7	3.2 *	3.2	6.7	3.8	9.7	1.2	5.2
35 to 44	83	65	18	654,269	313,201	341,068	12.7	20.8	5.3 *	10.0	15.4	15.7	25.8	2.8	7.7
45 to 54	218	173	45	590,179	275,078	315,101	36.9	62.9	14.3	32.0	41.8	53.5	72.3	10.1	18.5
55 to 64	409	276	133	356,471	166,544	189,927	114.7	165.7	70.0	103.6	125.9	146.2	185.3	58.1	81.9
65 to 74	711	424	287	236,933	103,366	133,567	300.1	410.2	214.9	278.0	322.1	371.1	449.2	190.0	239.7
75 to 84	1,339	685	654	146,599	62,184	84,415	913.4	1,101.6	774.7	864.5	962.3	1,019.1	1,184.1	715.4	834.1
85 & Older	1,386	579	807	47,703	19,092	28,611	2,905.5	3,032.7	2,820.6	2,752.5	3,058.4	2,785.7	3,279.7	2,626.0	3,015.2
Unknown	0	0	0												
Total	4,201	2,235	1,966	3,920,390	1,895,371	2,025,019	107.2	117.9	97.1	103.9	110.4	113.0	122.8	92.8	101.4
Age-Adjusted							124.2	151.4	102.7	120.5	128.0	145.1	157.8	98.1	107.2
BLACK															
Under 1	6	3	3	32,376	16,503	15,873	18.5 *	18.2 *	18.9 *	3.7	33.4	0.0	38.7	0.0	40.3
1 to 4	1	0	1	122,874	62,658	60,216	0.8 *	0.0 +	1.7 *	0.0	2.4	-	-	0.0	4.9
5 to 14	5	4	1	415,801	211,605	204,196	1.2 *	1.9 *	0.5 *	0.1	2.3	0.0	3.7	0.0	1.4
15 to 24	16	11	5	379,857	197,146	182,711	4.2 *	5.6 *	2.7 *	2.1	6.3	2.3	8.9	0.3	5.1
25 to 34	62	36	26	329,285	162,507	166,778	18.8	22.2	15.6	14.1	23.5	14.9	29.4	9.6	21.6
35 to 44	232	153	79	401,674	200,729	200,945	57.8	76.2	39.3	50.3	65.2	64.1	88.3	30.6	48.0
45 to 54	674	436	238	319,425	155,654	163,771	211.0	280.1	145.3	195.1	226.9	253.8	306.4	126.9	163.8
55 to 64	835	493	342	190,319	88,453	101,866	438.7	557.4	335.7	409.0	468.5	508.2	606.6	300.2	371.3
65 to 74	967	548	419	117,685	53,462	64,223	821.7	1,025.0	652.4	769.9	873.5	939.2	1,110.8	589.9	714.9
75 to 84	1,386	654	732	63,864	24,858	39,006	2,170.2	2,630.9	1,876.6	2,056.0	2,284.5	2,429.3	2,832.6	1,740.7	2,012.6
85 & Older	1,187	332	855	24,128	7,218	16,910	4,919.6	4,599.6	5,056.2	4,639.7	5,199.5	4,104.8	5,094.4	4,717.3	5,395.1
Unknown	1	1	0												
Total	5,372	2,671	2,701	2,397,288	1,180,793	1,216,495	224.1	226.2	222.0	218.1	230.1	217.6	234.8	213.7	230.4
Age-Adjusted							307.6	360.1	263.8	299.2	316.0	345.6	374.5	253.8	273.9
HISPANIC															
Under 1	38	26	12	265,727	135,553	130,174	14.3	19.2	9.2 *	9.8	18.8	11.8	26.6	4.0	14.4
1 to 4	9	6	3	972,443	496,688	475,755	0.9 *	1.2 *	0.6 *	0.3	1.5	0.2	2.2	0.0	1.3
5 to 14	12	6	6	2,487,194	1,271,424	1,215,770	0.5 *	0.5 *	0.5 *	0.2	0.8	0.1	0.8	0.1	0.9
15 to 24	36	27	9	2,211,661	1,170,782	1,040,879	1.6	2.3	0.9 *	1.1	2.2	1.4	3.2	0.3	1.4
25 to 34	104	68	36	2,282,378	1,215,342	1,067,036	4.6	5.6	3.4	3.7	5.4	4.3	6.9	2.3	4.5
35 to 44	268	204	64	1,872,178	969,722	902,456	14.3	21.0	7.1	12.6	16.0	18.2	23.9	5.4	8.8
45 to 54	587	446	141	1,159,100	572,129	586,971	50.6	78.0	24.0	46.5	54.7	70.7	85.2	20.1	28.0
55 to 64	913	617	296	595,540	279,290	316,250	153.3	220.9	93.6	143.4	163.3	203.5	238.3	82.9	104.3
65 to 74	1,514	892	622	344,493	151,957	192,536	439.5	587.0	323.1	417.3	461.6	548.5	625.5	297.7	348.4
75 to 84	2,210	1,121	1,089	180,074	74,189	105,885	1,227.3	1,511.0	1,028.5	1,176.1	1,278.4	1,422.6	1,599.5	967.4	1,089.6
85 & Older	2,012	701	1,311	54,755	19,164	35,591	3,674.6	3,657.9	3,683.5	3,514.0	3,835.1	3,387.1	3,928.7	3,484.1	3,882.9
Unknown	2	1	1												
Total	7,705	4,115	3,590	12,425,543	6,356,240	6,069,303	62.0	64.7	59.2	60.6	63.4	62.8	66.7	57.2	61.1
Age-Adjusted							164.7	197.9	137.9	160.9	168.6	191.3	204.5	133.3	142.5

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.
Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.
The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 1 (Continued)
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2003
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	68	42	26	531,434	271,162	260,272	12.8	15.5	10.0	9.8	15.8	10.8	20.2	6.1	13.8
1 to 4	23	11	12	2,008,528	1,026,713	981,815	1.1	1.1 *	1.2 *	0.7	1.6	0.4	1.7	0.5	1.9
5 to 14	32	17	15	5,420,822	2,777,200	2,643,622	0.6	0.6 *	0.6 *	0.4	0.8	0.3	0.9	0.3	0.9
15 to 24	105	70	35	5,160,658	2,691,409	2,469,249	2.0	2.6	1.4	1.6	2.4	2.0	3.2	0.9	1.9
25 to 34	322	211	111	5,246,137	2,705,863	2,540,274	6.1	7.8	4.4	5.5	6.8	6.7	8.9	3.6	5.2
35 to 44	1,304	951	353	5,648,662	2,870,936	2,777,726	23.1	33.1	12.7	21.8	24.3	31.0	35.2	11.4	14.0
45 to 54	3,732	2,755	977	4,819,832	2,382,693	2,437,139	77.4	115.6	40.1	74.9	79.9	111.3	119.9	37.6	42.6
55 to 64	6,246	4,319	1,927	3,146,705	1,520,342	1,626,363	198.5	284.1	118.5	193.6	203.4	275.6	292.6	113.2	123.8
65 to 74	10,110	6,226	3,884	1,997,161	921,535	1,075,626	506.2	675.6	361.1	496.4	516.1	658.8	692.4	349.7	372.4
75 to 84	20,999	10,752	10,247	1,414,654	587,119	827,535	1,484.4	1,831.3	1,238.3	1,464.3	1,504.5	1,796.7	1,865.9	1,214.3	1,262.2
85 & Older	26,067	9,216	16,851	540,374	183,447	356,927	4,823.9	5,023.8	4,721.1	4,765.3	4,882.4	4,921.2	5,126.4	4,649.8	4,792.4
Unknown	5	4	1												
Total	69,013	34,574	34,439	35,934,967	17,938,419	17,996,548	192.0	192.7	191.4	190.6	193.5	190.7	194.8	189.3	193.4
Age-Adjusted							207.8	252.2	171.5	206.2	209.3	249.5	254.9	169.6	173.3
PACIFIC ISLANDER															
Under 1	0	0	0	1,612	824	788	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	5,968	3,081	2,887	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	20,242	10,342	9,900	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	3	0	3	20,994	10,740	10,254	14.3 *	0.0 +	29.3 *	0.0	30.5	-	-	0.0	62.4
25 to 34	3	3	0	20,422	10,089	10,333	14.7 *	29.7 *	0.0 +	0.0	31.3	0.0	63.4	-	-
35 to 44	11	8	3	21,047	10,435	10,612	52.3 *	76.7 *	28.3 *	21.4	83.2	23.5	129.8	0.0	60.3
45 to 54	24	21	3	15,034	7,444	7,590	159.6	282.1	39.5 *	95.8	223.5	161.4	402.8	0.0	84.3
55 to 64	40	24	16	8,688	4,226	4,462	460.4	567.9	358.6 *	317.7	603.1	340.7	795.1	182.9	534.3
65 to 74	46	26	20	4,924	2,356	2,568	934.2	1,103.6	778.8	664.2	1,204.2	679.4	1,527.8	437.5	1,120.1
75 to 84	38	23	15	2,147	935	1,212	1,769.9	2,459.9	1,237.6 *	1,207.2	2,332.7	1,454.6	3,465.2	611.3	1,863.9
85 & Older	22	7	15	785	327	458	2,802.5	2,140.7 *	3,275.1 *	1,631.4	3,973.7	554.8	3,726.5	1,617.7	4,932.5
Unknown	0	0	0												
Total	187	112	75	121,863	60,799	61,064	153.5	184.2	122.8	131.5	175.4	150.1	218.3	95.0	150.6
Age-Adjusted							258.7	320.5	203.0	219.3	298.0	255.9	385.1	155.3	250.7
WHITE															
Under 1	14	8	6	168,928	86,181	82,747	8.3 *	9.3 *	7.3 *	3.9	12.6	2.9	15.7	1.4	13.1
1 to 4	8	2	6	608,995	311,436	297,559	1.3 *	0.6 *	2.0 *	0.4	2.2	0.0	1.5	0.4	3.6
5 to 14	10	5	5	1,786,666	918,847	867,819	0.6 *	0.5 *	0.6 *	0.2	0.9	0.1	1.0	0.1	1.1
15 to 24	39	27	12	1,831,860	947,345	884,515	2.1	2.9	1.4 *	1.5	2.8	1.8	3.9	0.6	2.1
25 to 34	117	81	36	1,885,206	961,929	923,277	6.2	8.4	3.9	5.1	7.3	6.6	10.3	2.6	5.2
35 to 44	688	506	182	2,579,091	1,318,760	1,260,331	26.7	38.4	14.4	24.7	28.7	35.0	41.7	12.3	16.5
45 to 54	2,183	1,642	541	2,633,665	1,323,757	1,309,908	82.9	124.0	41.3	79.4	86.4	118.0	130.0	37.8	44.8
55 to 64	3,987	2,871	1,116	1,933,678	952,538	981,140	206.2	301.4	113.7	199.8	212.6	290.4	312.4	107.1	120.4
65 to 74	6,774	4,274	2,500	1,259,989	594,985	665,004	537.6	718.3	375.9	524.8	550.4	696.8	739.9	361.2	390.7
75 to 84	15,914	8,214	7,700	1,003,097	416,813	586,284	1,586.5	1,970.7	1,313.4	1,561.8	1,611.1	1,928.0	2,013.3	1,284.0	1,342.7
85 & Older	21,363	7,556	13,807	404,890	134,702	270,188	5,276.2	5,609.4	5,110.1	5,205.5	5,347.0	5,482.9	5,735.9	5,024.9	5,195.4
Unknown	2	2	0												
Total	51,099	25,188	25,911	16,096,065	7,967,293	8,128,772	317.5	316.1	318.8	314.7	320.2	312.2	320.0	314.9	322.6
Age-Adjusted							223.4	273.8	181.8	221.4	225.3	270.4	277.2	179.5	184.1
TWO OR MORE RACES															
Under 1	2	1	1	10,512	5,369	5,143	19.0 *	18.6 *	19.4 *	0.0	45.4	0.0	55.1	0.0	57.6
1 to 4	2	1	1	107,336	54,939	52,397	1.9 *	1.8 *	1.9 *	0.0	4.4	0.0	5.4	0.0	5.6
5 to 14	0	0	0	168,750	85,488	83,262	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	0	1	126,962	62,819	64,143	0.8 *	0.0 +	1.6 *	0.0	2.3	-	-	0.0	4.6
25 to 34	3	2	1	85,304	41,007	44,297	3.5 *	4.9 *	2.3 *	0.0	7.5	0.0	11.6	0.0	6.7
35 to 44	9	6	3	78,644	37,811	40,833	11.4 *	15.9 *	7.3 *	4.0	18.9	3.2	28.6	0.0	15.7
45 to 54	17	14	3	63,278	30,017	33,261	26.9 *	46.6 *	9.0 *	14.1	39.6	22.2	71.1	0.0	19.2
55 to 64	28	19	9	37,843	17,751	20,092	74.0	107.0	44.8 *	46.6	101.4	58.9	155.2	15.5	74.1
65 to 74	37	25	12	21,434	9,955	11,479	172.6	251.1	104.5 *	117.0	228.2	152.7	349.6	45.4	163.7
75 to 84	63	33	30	12,660	5,536	7,124	497.6	596.1	421.1	374.7	620.5	392.7	799.5	270.4	571.8
85 & Older	53	20	33	4,641	1,681	2,960	1,142.0	1,189.8	1,114.9	834.5	1,449.5	668.3	1,711.2	734.5	1,495.2
Unknown	0	0	0												
Total	215	121	94	717,364	352,373	364,991	30.0	34.3	25.8	26.0	34.0	28.2	40.5	20.5	31.0
Age-Adjusted							64.3	81.0	50.3	55.5	73.1	66.0	96.0	40.0	60.6

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.

Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.

Hispanic includes any race category.

The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 2
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	50	28	22	516,411	263,488	252,923	9.7	10.6	8.7	7.0	12.4	6.7	14.6	5.1	12.3
1 to 4	13	7	6	1,976,342	1,010,549	965,793	0.7 *	0.7 *	0.6 *	0.3	1.0	0.2	1.2	0.1	1.1
5 to 14	26	14	12	5,412,306	2,773,346	2,638,960	0.5	0.5 *	0.5 *	0.3	0.7	0.2	0.8	0.2	0.7
15 to 24	96	75	21	5,045,468	2,631,609	2,413,859	1.9	2.8	0.9	1.5	2.3	2.2	3.5	0.5	1.2
25 to 34	295	221	74	5,288,247	2,724,113	2,564,134	5.6	8.1	2.9	4.9	6.2	7.0	9.2	2.2	3.5
35 to 44	1,208	894	314	5,607,549	2,846,141	2,761,408	21.5	31.4	11.4	20.3	22.8	29.4	33.5	10.1	12.6
45 to 54	3,403	2,504	899	4,679,130	2,308,857	2,370,273	72.7	108.5	37.9	70.3	75.2	104.2	112.7	35.4	40.4
55 to 64	5,946	4,112	1,834	2,962,280	1,429,870	1,532,410	200.7	287.6	119.7	195.6	205.8	278.8	296.4	114.2	125.2
65 to 74	10,463	6,359	4,104	1,954,020	896,870	1,057,150	535.5	709.0	388.2	525.2	545.7	691.6	726.4	376.3	400.1
75 to 84	21,295	10,894	10,401	1,383,065	571,663	811,402	1,539.7	1,905.7	1,281.9	1,519.0	1,560.4	1,869.9	1,941.5	1,257.2	1,306.5
85 & Older	25,586	8,845	16,741	513,989	171,306	342,683	4,977.9	5,163.3	4,885.3	4,916.9	5,038.9	5,055.7	5,270.9	4,811.3	4,959.3
Unknown	6	2	4												
Total	68,387	33,955	34,432	35,338,807	17,627,812	17,710,995	193.5	192.6	194.4	192.1	195.0	190.6	194.7	192.4	196.5
Age-Adjusted							213.7	258.9	177.0	212.1	215.3	256.1	261.7	175.1	178.9
AMERICAN INDIAN															
Under 1	0	0	0	975	497	478	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	10,125	5,213	4,912	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	39,005	19,736	19,269	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	1	0	37,805	19,399	18,406	2.6 *	5.2 *	0.0 +	0.0	7.8	0.0	15.3	-	-
25 to 34	1	1	0	32,536	16,203	16,333	3.1 *	6.2 *	0.0 +	0.0	9.1	0.0	18.3	-	-
35 to 44	5	4	1	39,544	19,207	20,337	12.6 *	20.8 *	4.9 *	1.6	23.7	0.4	41.2	0.0	14.6
45 to 54	17	12	5	35,940	17,069	18,871	47.3 *	70.3 *	26.5 *	24.8	69.8	30.5	110.1	3.3	49.7
55 to 64	25	19	6	21,530	10,335	11,195	116.1	183.8	53.6 *	70.6	161.6	101.2	266.5	10.7	96.5
65 to 74	47	27	20	10,593	4,921	5,672	443.7	548.7	352.6	316.8	570.5	341.7	755.6	198.1	507.1
75 to 84	53	29	24	5,571	2,305	3,266	951.4	1,258.1	734.8	695.2	1,207.5	800.2	1,716.0	440.8	1,028.8
85 & Older	43	18	25	2,885	1,015	1,870	1,490.5	1,773.4 *	1,336.9	1,045.0	1,936.0	954.1	2,592.7	812.8	1,861.0
Unknown	0	0	0												
Total	192	111	81	236,509	115,900	120,609	81.2	95.8	67.2	69.7	92.7	78.0	113.6	52.5	81.8
Age-Adjusted							114.4	150.6	86.0	97.7	131.1	121.2	180.0	66.8	105.3
ASIAN															
Under 1	9	6	3	45,926	23,458	22,468	19.6 *	25.6 *	13.4 *	6.8	32.4	5.1	46.0	0.0	28.5
1 to 4	1	1	0	178,330	91,534	86,796	0.6 *	1.1 *	0.0 +	0.0	1.7	0.0	3.2	-	-
5 to 14	1	1	0	507,351	262,076	245,275	0.2 *	0.4 *	0.0 +	0.0	0.6	0.0	1.1	-	-
15 to 24	5	5	0	557,144	284,561	272,583	0.9 *	1.8 *	0.0 +	0.1	1.7	0.2	3.3	-	-
25 to 34	20	17	3	644,621	313,918	330,703	3.1	5.4 *	0.9 *	1.7	4.5	2.8	8.0	0.0	1.9
35 to 44	73	63	10	659,156	314,894	344,262	11.1	20.0	2.9 *	8.5	13.6	15.1	24.9	1.1	4.7
45 to 54	205	156	49	578,796	268,890	309,906	35.4	58.0	15.8	30.6	40.3	48.9	67.1	11.4	20.2
55 to 64	353	257	96	337,662	157,274	180,388	104.5	163.4	53.2	93.6	115.4	143.4	183.4	42.6	63.9
65 to 74	719	409	310	233,048	101,009	132,039	308.5	404.9	234.8	286.0	331.1	365.7	444.2	208.6	260.9
75 to 84	1,411	753	658	137,756	58,678	79,078	1,024.3	1,283.3	832.1	970.8	1,077.7	1,191.6	1,374.9	768.5	895.7
85 & Older	1,376	572	804	41,956	16,705	25,251	3,279.6	3,424.1	3,184.0	3,106.3	3,452.9	3,143.5	3,704.7	2,963.9	3,404.1
Unknown	0	0	0												
Total	4,173	2,240	1,933	3,921,746	1,892,997	2,028,749	106.4	118.3	95.3	103.2	109.6	113.4	123.2	91.0	99.5
Age-Adjusted							133.7	164.2	109.7	129.6	137.8	157.2	171.1	104.8	114.7
BLACK															
Under 1	5	1	4	27,144	13,839	13,305	18.4 *	7.2 *	30.1 *	2.3	34.6	0.0	21.4	0.6	59.5
1 to 4	2	1	1	126,271	64,316	61,955	1.6 *	1.6 *	1.6 *	0.0	3.8	0.0	4.6	0.0	4.8
5 to 14	3	3	0	411,254	209,155	202,099	0.7 *	1.4 *	0.0 +	0.0	1.6	0.0	3.1	-	-
15 to 24	20	15	5	358,775	185,649	173,126	5.6	8.1 *	2.9 *	3.1	8.0	4.0	12.2	0.4	5.4
25 to 34	61	37	24	327,826	161,945	165,881	18.6	22.8	14.5	13.9	23.3	15.5	30.2	8.7	20.3
35 to 44	212	138	74	395,874	197,451	198,423	53.6	69.9	37.3	46.3	60.8	58.2	81.6	28.8	45.8
45 to 54	523	328	195	304,136	147,575	156,561	172.0	222.3	124.6	157.2	186.7	198.2	246.3	107.1	142.0
55 to 64	817	506	311	179,445	83,390	96,055	455.3	606.8	323.8	424.1	486.5	553.9	659.7	287.8	359.8
65 to 74	1,098	630	468	113,055	51,054	62,001	971.2	1,234.0	754.8	913.8	1,028.7	1,137.6	1,330.3	686.4	823.2
75 to 84	1,440	651	789	62,587	24,248	38,339	2,300.8	2,684.8	2,058.0	2,182.0	2,419.6	2,478.5	2,891.0	1,914.4	2,201.6
85 & Older	1,252	378	874	23,307	6,933	16,374	5,371.8	5,452.2	5,337.7	5,074.2	5,669.3	4,902.5	6,001.8	4,983.8	5,691.6
Unknown	1	0	1												
Total	5,434	2,688	2,746	2,329,674	1,145,555	1,184,119	233.3	234.6	231.9	227.0	239.5	225.8	243.5	223.2	240.6
Age-Adjusted							326.0	385.3	278.9	317.2	334.8	370.0	400.7	268.4	289.4
HISPANIC															
Under 1	18	7	11	256,278	130,761	125,517	7.0 *	5.4 *	8.8 *	3.8	10.3	1.4	9.3	3.6	13.9
1 to 4	4	0	4	950,953	485,542	465,411	0.4 *	0.0 +	0.9 *	0.0	0.8	-	-	-	1.7
5 to 14	13	5	8	2,449,592	1,252,436	1,197,156	0.5 *	0.4 *	0.7 *	0.2	0.8	0.0	0.7	0.2	1.1
15 to 24	40	32	8	2,147,131	1,140,661	1,006,470	1.9	2.8	0.8 *	1.3	2.4	1.8	3.8	0.2	1.3
25 to 34	95	75	20	2,222,788	1,182,208	1,040,580	4.3	6.3	1.9	3.4	5.1	4.9	7.8	1.1	2.8
35 to 44	228	182	46	1,788,037	924,255	863,782	12.8	19.7	5.3	11.1	14.4	16.8	22.6	3.8	6.9
45 to 54	544	382	162	1,086,080	535,046	551,034	50.1	71.4	29.4	45.9	54.3	64.2	78.6	24.9	33.9
55 to 64	876	591	285	554,789	259,571	295,038	157.9	227.5	96.6	147.4	168.4	209.2	245.9	85.4	107.8
65 to 74	1,496	874	622	330,157	145,276	184,881	453.1	601.6	336.4	430.2	476.1	561.7	641.5	310.0	362.9
75 to 84	2,042	1,009	1,033	167,231	68,658	98,573	1,221.1	1,469.6	1,048.0	1,168.1	1,274.0	1,378.9	1,560.3	984.0	1,111.9
85 & Older	1,868	663	1,205	49,930	17,160	32,770	3,741.2	3,863.6	3,677.1	3,571.6	3,910.9	3,569.5	4,157.7	3,469.5	3,884.8
Unknown	0	0	0												
Total	7,224	3,820	3,404	12,002,966	6,141,754	5,861,212	60.2	62.2	58.1	58.8	61.6	60.2	64.2	56.1	60.0
Age-Adjusted							166.3	199.6	140.1	162.3	170.3	192.7	206.5	135.3	144.9

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.
Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.
The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 2 (Continued)
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2002
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	50	28	22	516,411	263,488	252,923	9.7	10.6	8.7	7.0	12.4	6.7	14.6	5.1	12.3
1 to 4	13	7	6	1,976,342	1,010,549	965,793	0.7 *	0.7 *	0.6 *	0.3	1.0	0.2	1.2	0.1	1.1
5 to 14	26	14	12	5,412,306	2,773,346	2,638,960	0.5	0.5 *	0.5 *	0.3	0.7	0.2	0.8	0.2	0.7
15 to 24	96	75	21	5,045,468	2,631,609	2,413,859	1.9	2.8	0.9	1.5	2.3	2.2	3.5	0.5	1.2
25 to 34	295	221	74	5,288,247	2,724,113	2,564,134	5.6	8.1	2.9	4.9	6.2	7.0	9.2	2.2	3.5
35 to 44	1,208	894	314	5,607,549	2,846,141	2,761,408	21.5	31.4	11.4	20.3	22.8	29.4	33.5	10.1	12.6
45 to 54	3,403	2,504	899	4,679,130	2,308,857	2,370,273	72.7	108.5	37.9	70.3	75.2	104.2	112.7	35.4	40.4
55 to 64	5,946	4,112	1,834	2,962,280	1,429,870	1,532,410	200.7	287.6	119.7	195.6	205.8	278.8	296.4	114.2	125.2
65 to 74	10,463	6,359	4,104	1,954,020	896,870	1,057,150	535.5	709.0	388.2	525.2	545.7	691.6	726.4	376.3	400.1
75 to 84	21,295	10,894	10,401	1,383,065	571,663	811,402	1,539.7	1,905.7	1,281.9	1,519.0	1,560.4	1,869.9	1,941.5	1,257.2	1,306.5
85 & Older	25,586	8,845	16,741	513,989	171,306	342,683	4,977.9	5,163.3	4,885.3	4,916.9	5,038.9	5,055.7	5,270.9	4,811.3	4,959.3
Unknown	6	2	4												
Total	68,387	33,955	34,432	35,338,807	17,627,812	17,710,995	193.5	192.6	194.4	192.1	195.0	190.6	194.7	192.4	196.5
Age-Adjusted															
							213.7	258.9	177.0	212.1	215.3	256.1	261.7	175.1	178.9
PACIFIC ISLANDER															
Under 1	0	0	0	1,380	704	676	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	6,245	3,232	3,013	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	20,353	10,399	9,954	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	1	0	20,827	10,624	10,203	4.8 *	9.4 *	0.0 +	0.0	14.2	0.0	27.9	-	-
25 to 34	1	1	0	20,421	10,039	10,382	4.9 *	10.0 *	0.0 +	0.0	14.5	0.0	29.5	-	-
35 to 44	15	13	2	20,560	10,290	10,270	73.0 *	126.3 *	19.5 *	36.0	109.9	57.7	195.0	0.0	46.5
45 to 54	27	19	8	14,309	7,090	7,219	188.7	268.0	110.8 *	117.5	259.9	147.5	388.5	34.0	187.6
55 to 64	27	15	12	8,156	3,960	4,196	331.0	378.8 *	286.0 *	206.2	455.9	187.1	570.5	124.2	447.8
65 to 74	40	27	13	4,585	2,196	2,389	872.4	1,229.5	544.2 *	602.0	1,142.8	765.7	1,693.3	248.4	840.0
75 to 84	28	11	17	1,925	831	1,094	1,454.5	1,323.7 *	1,553.9 *	915.8	1,993.3	541.4	2,106.0	815.2	2,292.6
85 & Older	17	6	11	643	261	382	2,643.9 *	2,298.9 *	2,879.6 *	1,387.0	3,900.7	459.4	4,138.3	1,177.9	4,581.3
Unknown	0	0	0												
Total	156	93	63	119,404	59,626	59,778	130.6	156.0	105.4	110.1	151.2	124.3	187.7	79.4	131.4
Age-Adjusted															
							231.4	268.6	193.3	192.2	270.5	208.0	329.1	143.3	243.3
WHITE															
Under 1	18	14	4	150,846	76,936	73,910	11.9 *	18.2 *	5.4 *	6.4	17.4	8.7	27.7	0.1	10.7
1 to 4	6	5	1	613,463	314,208	299,255	1.0 *	1.6 *	0.3 *	0.2	1.8	0.2	3.0	0.0	1.0
5 to 14	8	4	4	1,819,031	935,673	883,358	0.4 *	0.4 *	0.5 *	0.1	0.7	0.0	0.8	0.0	0.9
15 to 24	28	20	8	1,802,388	930,873	871,515	1.6	2.1	0.9 *	1.0	2.1	1.2	3.1	0.3	1.6
25 to 34	113	87	26	1,956,447	999,574	956,873	5.8	8.7	2.7	4.7	6.8	6.9	10.5	1.7	3.8
35 to 44	673	492	181	2,625,877	1,342,353	1,283,524	25.6	36.7	14.1	23.7	27.6	33.4	39.9	12.0	16.2
45 to 54	2,080	1,603	477	2,599,031	1,304,396	1,294,635	80.0	122.9	36.8	76.6	83.5	116.9	128.9	33.5	40.2
55 to 64	3,833	2,712	1,121	1,825,358	898,529	926,829	210.0	301.8	121.0	203.3	216.6	290.5	313.2	113.9	128.0
65 to 74	7,048	4,383	2,665	1,242,058	582,927	659,131	567.4	751.9	404.3	554.2	580.7	729.6	774.2	389.0	419.7
75 to 84	16,303	8,430	7,873	996,270	411,887	584,383	1,636.4	2,046.7	1,347.2	1,611.3	1,661.5	2,003.0	2,090.4	1,317.5	1,377.0
85 & Older	21,019	7,205	13,814	391,271	127,805	263,466	5,372.0	5,637.5	5,243.2	5,299.4	5,444.6	5,507.3	5,767.7	5,155.7	5,330.6
Unknown	5	2	3												
Total	51,134	24,957	26,177	16,022,040	7,925,161	8,096,879	319.1	314.9	323.3	316.4	321.9	311.0	318.8	319.4	327.2
Age-Adjusted															
							228.7	279.6	186.9	226.7	230.7	276.1	283.1	184.6	189.2
TWO OR MORE RACES															
Under 1	0	0	0	33,862	17,293	16,569	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	90,955	46,504	44,451	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	1	0	165,720	83,871	81,849	0.6 *	1.2 *	0.0 +	0.0	1.8	0.0	3.5	-	-
15 to 24	1	1	0	121,398	59,842	61,556	0.8 *	1.7 *	0.0 +	0.0	2.4	0.0	4.9	-	-
25 to 34	4	3	1	83,608	40,226	43,382	4.8 *	7.5 *	2.3 *	0.1	9.5	0.0	15.9	0.0	6.8
35 to 44	2	2	0	78,501	37,691	40,810	2.5 *	5.3 *	0.0 +	0.0	6.1	0.0	12.7	-	-
45 to 54	7	4	3	60,838	28,791	32,047	11.5 *	13.9 *	9.4 *	3.0	20.0	0.3	27.5	0.0	20.0
55 to 64	15	12	3	35,340	16,631	18,709	42.4 *	72.2 *	16.0 *	21.0	63.9	31.3	113.0	0.0	34.2
65 to 74	15	9	6	20,524	9,487	11,037	73.1 *	94.9 *	54.4 *	36.1	110.1	32.9	156.8	10.9	97.9
75 to 84	18	11	7	11,725	5,056	6,669	153.5 *	217.6 *	105.0 *	82.6	224.4	89.0	346.1	27.2	182.7
85 & Older	11	3	8	3,997	1,427	2,570	275.2 *	210.2 *	311.3 *	112.6	437.8	0.0	448.1	95.6	527.0
Unknown	0	0	0												
Total	74	46	28	706,468	346,819	359,649	10.5	13.3	7.8	8.1	12.9	9.4	17.1	4.9	10.7
Age-Adjusted															
							22.5	29.7	16.1	17.2	27.8	20.6	38.8	10.1	22.1

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.

Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.

The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 3
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	44	22	22	518,927	264,741	254,186	8.5	8.3	8.7	6.0	11.0	4.8	11.8	5.0	12.3
1 to 4	17	8	9	1,960,105	1,002,866	957,239	0.9 *	0.8 *	0.9 *	0.5	1.3	0.2	1.4	0.3	1.6
5 to 14	30	18	12	5,377,327	2,755,213	2,622,114	0.6	0.7 *	0.5 *	0.4	0.8	0.4	1.0	0.2	0.7
15 to 24	103	70	33	4,956,819	2,584,393	2,372,426	2.1	2.7	1.4	1.7	2.5	2.1	3.3	0.9	1.9
25 to 34	286	185	101	5,284,524	2,720,908	2,563,616	5.4	6.8	3.9	4.8	6.0	5.8	7.8	3.2	4.7
35 to 44	1,161	830	331	5,566,274	2,820,571	2,745,703	20.9	29.4	12.1	19.7	22.1	27.4	31.4	10.8	13.4
45 to 54	3,408	2,509	899	4,552,753	2,244,282	2,308,471	74.9	111.8	38.9	72.3	77.4	107.4	116.2	36.4	41.5
55 to 64	5,761	3,995	1,766	2,774,474	1,337,024	1,437,450	207.6	298.8	122.9	202.3	213.0	289.5	308.1	117.1	128.6
65 to 74	10,781	6,470	4,311	1,920,122	876,170	1,043,952	561.5	738.4	413.0	550.9	572.1	720.4	756.4	400.6	425.3
75 to 84	21,574	11,100	10,474	1,341,150	551,924	789,226	1,608.6	2,011.1	1,327.1	1,587.2	1,630.1	1,973.7	2,048.6	1,301.7	1,352.5
85 & Older	25,830	8,710	17,120	477,265	155,766	321,499	5,412.1	5,591.7	5,325.1	5,346.1	5,478.1	5,474.3	5,709.2	5,245.3	5,404.8
Unknown	9	7	2												
Total	69,004	33,924	35,080	34,729,740	17,313,858	17,415,882	198.7	195.9	201.4	197.2	200.2	193.9	198.0	199.3	203.5
Age-Adjusted							226.0	273.1	188.3	224.3	227.7	270.2	276.1	186.3	190.2
AMERICAN INDIAN															
Under 1	0	0	0	1,038	535	503	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	10,963	5,601	5,362	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	35,606	18,114	17,492	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	0	1	33,978	17,440	16,538	2.9 *	0.0 +	6.0 *	0.0	8.7	-	-	0.0	17.9
25 to 34	3	3	0	30,478	15,239	15,239	9.8 *	19.7 *	0.0 +	0.0	21.0	0.0	42.0	-	-
35 to 44	10	9	1	37,042	18,030	19,012	27.0 *	49.9 *	5.3 *	10.3	43.7	17.3	82.5	0.0	15.6
45 to 54	18	13	5	32,579	15,481	17,098	55.3 *	84.0 *	29.2 *	29.7	80.8	38.3	129.6	3.6	54.9
55 to 64	40	26	14	18,780	9,021	9,759	213.0	288.2	143.5 *	147.0	279.0	177.4	399.0	68.3	218.6
65 to 74	52	30	22	9,505	4,399	5,106	547.1	682.0	430.9	398.4	695.8	437.9	926.0	250.8	610.9
75 to 84	46	21	25	4,872	1,990	2,882	944.2	1,055.3	867.5	671.3	1,217.0	603.9	1,506.6	527.4	1,207.5
85 & Older	48	15	33	2,163	734	1,429	2,219.1	2,043.6 *	2,309.3	1,591.3	2,846.9	1,009.4	3,077.8	1,521.4	3,097.2
Unknown	0	0	0												
Total	218	117	101	217,004	106,584	110,420	100.5	109.8	91.5	87.1	113.8	89.9	129.7	73.6	109.3
Age-Adjusted							145.0	171.3	121.3	125.1	165.0	138.2	204.4	97.2	145.5
ASIAN															
Under 1	2	1	1	47,353	24,180	23,173	4.2 *	4.1 *	4.3 *	0.0	10.1	0.0	12.2	0.0	12.8
1 to 4	1	1	0	175,354	90,196	85,158	0.6 *	1.1 *	0.0 +	0.0	1.7	0.0	3.3	-	-
5 to 14	2	1	1	506,076	261,333	244,743	0.4 *	0.4 *	0.4 *	0.0	0.9	0.0	1.1	0.0	1.2
15 to 24	7	5	2	558,118	283,682	274,436	1.3 *	1.8 *	0.7 *	0.3	2.2	0.2	3.3	0.0	1.7
25 to 34	18	13	5	652,150	316,603	335,547	2.8 *	4.1 *	1.5 *	1.5	4.0	1.9	6.3	0.2	2.8
35 to 44	70	56	14	654,655	311,736	342,919	10.7	18.0	4.1 *	8.2	13.2	13.3	22.7	1.9	6.2
45 to 54	186	146	40	559,132	259,407	299,725	33.3	56.3	13.3	28.5	38.0	47.2	65.4	9.2	17.5
55 to 64	322	232	90	317,844	147,600	170,244	101.3	157.2	52.9	90.2	112.4	137.0	177.4	41.9	63.8
65 to 74	709	416	293	226,106	97,488	128,618	313.6	426.7	227.8	290.5	336.7	385.7	467.7	201.7	253.9
75 to 84	1,373	721	652	127,700	54,562	73,138	1,075.2	1,321.4	891.5	1,018.3	1,132.0	1,225.0	1,417.9	823.0	959.9
85 & Older	1,258	537	721	36,199	14,378	21,821	3,475.2	3,734.9	3,304.2	3,283.2	3,667.3	3,419.0	4,050.8	3,063.0	3,545.3
Unknown	1	0	1												
Total	3,949	2,129	1,820	3,860,687	1,861,165	1,999,522	102.3	114.4	91.0	99.1	105.5	109.5	119.2	86.8	95.2
Age-Adjusted							138.6	170.6	113.8	134.2	143.0	163.1	178.0	108.5	119.0
BLACK															
Under 1	4	1	3	28,498	14,527	13,971	14.0 *	6.9 *	21.5 *	0.3	27.8	0.0	20.4	0.0	45.8
1 to 4	2	1	1	129,558	65,928	63,630	1.5 *	1.5 *	1.6 *	0.0	3.7	0.0	4.5	0.0	4.7
5 to 14	1	1	0	405,206	205,997	199,209	0.2 *	0.5 *	0.0 +	0.0	0.7	0.0	1.4	-	-
15 to 24	18	11	7	341,761	176,140	165,621	5.3 *	6.2 *	4.2 *	2.8	7.7	2.6	9.9	1.1	7.4
25 to 34	63	35	28	328,784	162,827	165,957	19.2	21.5	16.9	14.4	23.9	14.4	28.6	10.6	23.1
35 to 44	223	133	90	390,384	194,372	196,012	57.1	68.4	45.9	49.6	64.6	56.8	80.1	36.4	55.4
45 to 54	595	375	220	289,801	140,000	149,801	205.3	267.9	146.9	188.8	221.8	240.7	295.0	127.5	166.3
55 to 64	761	472	289	170,354	79,371	90,983	446.7	594.7	317.6	415.0	478.5	541.0	648.3	281.0	354.3
65 to 74	1,101	614	487	108,917	48,723	60,194	1,010.9	1,260.2	809.1	951.2	1,070.6	1,160.5	1,359.9	737.2	880.9
75 to 84	1,355	624	731	60,927	23,448	37,479	2,224.0	2,661.2	1,950.4	2,105.6	2,342.4	2,452.4	2,870.0	1,809.0	2,091.8
85 & Older	1,226	375	851	21,657	6,331	15,326	5,661.0	5,923.2	5,552.7	5,344.1	5,977.9	5,323.7	6,522.7	5,179.6	5,925.7
Unknown	2	2	0												
Total	5,351	2,644	2,707	2,275,847	1,117,664	1,158,183	235.1	236.6	233.7	228.8	241.4	227.5	245.6	224.9	242.5
Age-Adjusted							333.9	397.6	285.2	324.8	342.9	381.5	413.6	274.4	296.0
HISPANIC															
Under 1	24	14	10	253,961	129,573	124,388	9.5	10.8 *	8.0 *	5.7	13.2	5.1	16.5	3.1	13.0
1 to 4	8	3	5	938,287	479,043	459,244	0.9 *	0.6 *	1.1 *	0.3	1.4	0.0	1.3	0.1	2.0
5 to 14	14	7	7	2,385,392	1,219,250	1,166,142	0.6 *	0.6 *	0.6 *	0.3	0.9	0.1	1.0	0.2	1.0
15 to 24	34	24	10	2,090,373	1,113,138	977,235	1.6	2.2	1.0 *	1.1	2.2	1.3	3.0	0.4	1.7
25 to 34	86	59	27	2,148,856	1,142,461	1,006,395	4.0	5.2	2.7	3.2	4.8	3.8	6.5	1.7	3.7
35 to 44	193	141	52	1,698,401	876,555	821,846	11.4	16.1	6.3	9.8	13.0	13.4	18.7	4.6	8.0
45 to 54	513	380	133	1,013,711	498,885	514,826	50.6	76.2	25.8	46.2	55.0	68.5	83.8	21.4	30.2
55 to 64	804	527	277	515,325	240,811	274,514	156.0	218.8	100.9	145.2	166.8	200.2	237.5	89.0	112.8
65 to 74	1,535	878	657	315,002	138,023	176,979	487.3	636.1	371.2	462.9	511.7	594.0	678.2	342.8	399.6
75 to 84	1,997	1,045	952	153,901	62,845	91,056	1,297.6	1,662.8	1,045.5	1,240.7	1,354.5	1,562.0	1,763.6	979.1	1,111.9
85 & Older	1,860	644	1,216	44,732	15,161	29,571	4,158.1	4,247.7	4,112.1	3,969.1	4,347.1	3,919.7	4,575.8	3,881.0	4,343.3
Unknown	1	1	0												
Total	7,069	3,723	3,346	11,557,941	5,915,745	5,642,196	61.2	62.9	59.3	59.7	62.6	60.9	65.0	57.3	61.3
Age-Adjusted							178.2	215.7	149.2	173.8	182.5	208.1	223.3	144.1	154.4

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.
Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.
The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 3 (Continued)
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2001
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	44	22	22	518,927	264,741	254,186	8.5	8.3	8.7	6.0	11.0	4.8	11.8	5.0	12.3
1 to 4	17	8	9	1,960,105	1,002,866	957,239	0.9 *	0.8 *	0.9 *	0.5	1.3	0.2	1.4	0.3	1.6
5 to 14	30	18	12	5,377,327	2,755,213	2,622,114	0.6	0.7 *	0.5 *	0.4	0.8	0.4	1.0	0.2	0.7
15 to 24	103	70	33	4,956,819	2,584,393	2,372,426	2.1	2.7	1.4	1.7	2.5	2.1	3.3	0.9	1.9
25 to 34	286	185	101	5,284,524	2,720,908	2,563,616	5.4	6.8	3.9	4.8	6.0	5.8	7.8	3.2	4.7
35 to 44	1,161	830	331	5,566,274	2,820,571	2,745,703	20.9	29.4	12.1	19.7	22.1	27.4	31.4	10.8	13.4
45 to 54	3,408	2,509	899	4,552,753	2,244,282	2,308,471	74.9	111.8	38.9	72.3	77.4	107.4	116.2	36.4	41.5
55 to 64	5,761	3,995	1,766	2,774,474	1,337,024	1,437,450	207.6	298.8	122.9	202.3	213.0	289.5	308.1	117.1	128.6
65 to 74	10,781	6,470	4,311	1,920,122	876,170	1,043,952	561.5	738.4	413.0	550.9	572.1	720.4	756.4	400.6	425.3
75 to 84	21,574	11,100	10,474	1,341,150	551,924	789,226	1,608.6	2,011.1	1,327.1	1,587.2	1,630.1	1,973.7	2,048.6	1,301.7	1,352.5
85 & Older	25,830	8,710	17,120	477,265	155,766	321,499	5,412.1	5,591.7	5,325.1	5,346.1	5,478.1	5,474.3	5,709.2	5,245.3	5,404.8
Unknown	9	7	2												
Total	69,004	33,924	35,080	34,729,740	17,313,858	17,415,882	198.7	195.9	201.4	197.2	200.2	193.9	198.0	199.3	203.5
Age-Adjusted							226.0	273.1	188.3	224.3	227.7	270.2	276.1	186.3	190.2
PACIFIC ISLANDER															
Under 1	0	0	0	1,310	667	643	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	6,581	3,414	3,167	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	1	1	0	20,255	10,333	9,922	4.9 *	9.7 *	0.0 +	0.0	14.6	0.0	28.6	-	-
15 to 24	0	0	0	20,544	10,503	10,041	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	0	0	0	20,167	9,883	10,284	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
35 to 44	16	10	6	19,860	9,978	9,882	80.6 *	100.2 *	60.7 *	41.1	120.0	38.1	162.3	12.1	109.3
45 to 54	31	23	8	13,551	6,720	6,831	228.8	342.3	117.1 *	148.2	309.3	202.4	482.1	36.0	198.3
55 to 64	33	28	5	7,615	3,702	3,913	433.4	756.3	127.8 *	285.5	581.2	476.2	1,036.5	15.8	239.8
65 to 74	45	28	17	4,259	2,035	2,224	1,056.6	1,375.9	764.4 *	747.9	1,365.3	866.3	1,885.6	401.0	1,127.8
75 to 84	32	12	20	1,674	725	949	1,911.6	1,655.2 *	2,107.5	1,249.3	2,573.9	718.7	2,591.7	1,183.8	3,031.1
85 & Older	19	7	12	521	200	321	3,646.8	3,500.0 *	3,738.3 *	2,007.0	5,286.6	907.2	6,092.8	1,623.2	5,853.5
Unknown	0	0	0												
Total	177	109	68	116,337	58,160	58,177	152.1	187.4	116.9	129.7	174.6	152.2	222.6	89.1	144.7
Age-Adjusted							294.5	349.2	239.8	246.9	342.2	274.5	423.9	179.4	300.1
WHITE															
Under 1	12	5	7	153,306	78,168	75,138	7.8 *	6.4 *	9.3 *	3.4	12.3	0.8	12.0	2.4	16.2
1 to 4	4	2	2	624,482	320,442	304,040	0.6 *	0.6 *	0.7 *	0.0	1.3	0.0	1.5	0.0	1.6
5 to 14	11	7	4	1,862,124	957,903	904,221	0.6 *	0.7 *	0.4 *	0.2	0.9	0.2	1.3	0.0	0.9
15 to 24	43	30	13	1,796,019	926,636	869,383	2.4	3.2	1.5 *	1.7	3.1	2.1	4.4	0.7	2.3
25 to 34	115	75	40	2,022,119	1,034,396	987,723	5.7	7.3	4.0	4.6	6.7	5.6	8.9	2.8	5.3
35 to 44	645	478	167	2,687,568	1,372,319	1,315,249	24.0	34.8	12.7	22.1	25.9	31.7	38.0	10.8	14.6
45 to 54	2,056	1,565	491	2,585,433	1,296,139	1,289,294	79.5	120.7	38.1	76.1	83.0	114.8	126.7	34.7	41.5
55 to 64	3,792	2,704	1,088	1,711,671	840,997	870,674	221.5	321.5	125.0	214.5	228.6	309.4	333.6	117.5	132.4
65 to 74	7,326	4,498	2,828	1,236,729	576,477	660,252	592.4	780.3	428.3	578.8	605.9	757.5	803.1	412.5	444.1
75 to 84	16,750	8,673	8,077	981,305	403,775	577,530	1,706.9	2,148.0	1,398.5	1,681.1	1,732.8	2,102.8	2,193.2	1,368.0	1,429.0
85 & Older	21,405	7,125	14,280	368,575	117,768	250,807	5,807.5	6,050.0	5,693.6	5,729.7	5,885.3	5,909.5	6,190.5	5,600.2	5,787.0
Unknown	5	4	1												
Total	52,164	25,166	26,998	16,029,331	7,925,020	8,104,311	325.4	317.6	333.1	322.6	328.2	313.6	321.5	329.2	337.1
Age-Adjusted							241.0	293.3	198.4	238.9	243.1	289.7	297.0	196.0	200.8
TWO OR MORE RACES															
Under 1	2	1	1	33,461	17,091	16,370	6.0 *	5.9 *	6.1 *	0.0	14.3	0.0	17.3	0.0	18.1
1 to 4	2	1	1	74,880	38,242	36,638	2.7 *	2.6 *	2.7 *	0.0	6.4	0.0	7.7	0.0	8.1
5 to 14	1	1	0	162,668	82,283	80,385	0.6 *	1.2 *	0.0 +	0.0	1.8	0.0	3.6	-	-
15 to 24	0	0	0	116,026	56,854	59,172	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	1	0	1	81,970	39,499	42,471	1.2 *	0.0 +	2.4 *	0.0	3.6	-	-	0.0	7.0
35 to 44	4	3	1	78,364	37,581	40,783	5.1 *	8.0 *	2.5 *	0.1	10.1	0.0	17.0	0.0	7.3
45 to 54	9	7	2	58,546	27,650	30,896	15.4 *	25.3 *	6.5 *	5.3	25.4	6.6	44.1	0.0	15.4
55 to 64	9	6	3	32,885	15,522	17,363	27.4 *	38.7 *	17.3 *	9.5	45.2	7.7	69.6	0.0	36.8
65 to 74	13	6	7	19,604	9,025	10,579	66.3 *	66.5 *	66.2 *	30.3	102.4	13.3	119.7	17.2	115.2
75 to 84	21	4	17	10,771	4,579	6,192	195.0	87.4 *	274.5 *	111.6	278.4	1.7	173.0	144.0	405.1
85 & Older	14	7	7	3,418	1,194	2,224	409.6 *	586.3 *	314.7 *	195.0	624.2	152.0	1,020.6	81.6	547.9
Unknown	0	0	0												
Total	76	36	40	672,593	329,520	343,073	11.3	10.9	11.7	8.8	13.8	7.4	14.5	8.0	15.3
Age-Adjusted							25.2	25.9	24.9	19.3	31.2	16.5	35.3	16.9	32.9

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.

Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.

The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent

+ Standard error indeterminate, death rate based on no (zero) deaths.

- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 4
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	63	34	29	491,073	251,541	239,532	12.8	13.5	12.1	9.7	16.0	9.0	18.1	7.7	16.5
1 to 4	16	9	7	1,990,873	1,018,496	972,377	0.8 *	0.9 *	0.7 *	0.4	1.2	0.3	1.5	0.2	1.3
5 to 14	39	22	17	5,310,526	2,720,715	2,589,811	0.7	0.8	0.7 *	0.5	1.0	0.5	1.1	0.3	1.0
15 to 24	81	57	24	4,860,696	2,532,547	2,328,149	1.7	2.3	1.0	1.3	2.0	1.7	2.8	0.6	1.4
25 to 34	267	190	77	5,245,273	2,702,010	2,543,263	5.1	7.0	3.0	4.5	5.7	6.0	8.0	2.4	3.7
35 to 44	1,183	864	319	5,499,218	2,780,657	2,718,561	21.5	31.1	11.7	20.3	22.7	29.0	33.1	10.4	13.0
45 to 54	3,221	2,395	826	4,376,695	2,156,077	2,220,618	73.6	111.1	37.2	71.1	76.1	106.6	115.5	34.7	39.7
55 to 64	5,791	4,052	1,739	2,641,560	1,270,830	1,370,730	219.2	318.8	126.9	213.6	224.9	309.0	328.7	120.9	132.8
65 to 74	11,072	6,727	4,345	1,894,010	858,793	1,035,217	584.6	783.3	419.7	573.7	595.5	764.6	802.0	407.2	432.2
75 to 84	21,296	11,008	10,288	1,294,989	530,932	764,057	1,644.5	2,073.3	1,346.5	1,622.4	1,666.6	2,034.6	2,112.1	1,320.5	1,372.5
85 & Older	25,492	8,569	16,923	438,285	139,496	298,789	5,816.3	6,142.8	5,663.9	5,744.9	5,887.7	6,012.8	6,272.9	5,578.5	5,749.2
Unknown	12	11	1												
Total	68,533	33,938	34,595	34,043,198	16,962,094	17,081,104	201.3	200.1	202.5	199.8	202.8	198.0	202.2	200.4	204.7
Age-Adjusted							236.3	289.4	194.8	234.6	238.1	286.3	292.6	192.7	196.8
AMERICAN INDIAN															
Under 1	1	1	0	2,114	1,092	1,022	47.3 *	91.6 *	0.0 +	0.0	140.0	0.0	271.1	-	-
1 to 4	0	0	0	10,167	5,187	4,980	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	31,221	15,950	15,271	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	29,523	15,222	14,301	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	2	0	2	27,859	14,045	13,814	7.2 *	0.0 +	14.5 *	0.0	17.1	-	-	0.0	34.5
35 to 44	7	6	1	33,478	16,332	17,146	20.9 *	36.7 *	5.8 *	5.4	36.4	7.3	66.1	0.0	17.3
45 to 54	16	10	6	28,222	13,455	14,767	56.7 *	74.3 *	40.6 *	28.9	84.5	28.3	120.4	8.1	73.1
55 to 64	32	21	11	16,150	7,762	8,388	198.1	270.5	131.1 *	129.5	266.8	154.8	386.3	53.6	208.6
65 to 74	52	25	27	8,411	3,901	4,510	618.2	640.9	598.7	450.2	786.3	389.6	892.1	372.9	824.5
75 to 84	53	28	25	4,190	1,699	2,491	1,264.9	1,648.0	1,003.6	924.4	1,605.5	1,037.6	2,258.5	610.2	1,397.0
85 & Older	48	17	31	1,418	448	970	3,385.0	3,794.6 *	3,195.9	2,427.4	4,342.7	1,990.8	5,598.5	2,070.8	4,320.9
Unknown	0	0	0												
Total	211	108	103	192,753	95,093	97,660	109.5	113.6	105.5	94.7	124.2	92.2	135.0	85.1	125.8
Age-Adjusted							180.0	215.9	153.9	154.8	205.2	171.5	260.4	123.7	184.2
ASIAN															
Under 1	5	3	2	42,844	21,965	20,879	11.7 *	13.7 *	9.6 *	1.4	21.9	0.0	29.1	0.0	22.9
1 to 4	3	2	1	177,521	91,373	86,148	1.7 *	2.2 *	1.2 *	0.0	3.6	0.0	5.2	0.0	3.4
5 to 14	8	4	4	498,621	257,574	241,047	1.6 *	1.6 *	1.7 *	0.5	2.7	0.0	3.1	0.0	3.3
15 to 24	7	5	2	552,160	279,314	272,846	1.3 *	1.8 *	0.7 *	0.3	2.2	0.2	3.4	0.0	1.7
25 to 34	19	12	7	642,906	311,655	331,251	3.0	3.9 *	2.1 *	1.6	4.3	1.7	6.0	0.5	3.7
35 to 44	63	54	9	639,658	302,953	336,705	9.8	17.8	2.7 *	7.4	12.3	13.1	22.6	0.9	4.4
45 to 54	172	135	37	528,556	245,171	283,385	32.5	55.1	13.1	27.7	37.4	45.8	64.4	8.8	17.3
55 to 64	354	251	103	300,494	138,840	161,654	117.8	180.8	63.7	105.5	130.1	158.4	203.1	51.4	76.0
65 to 74	706	418	288	217,029	93,082	123,947	325.3	449.1	232.4	301.3	349.3	406.0	492.1	205.5	259.2
75 to 84	1,283	709	574	116,423	49,861	66,562	1,102.0	1,422.0	862.4	1,041.7	1,162.3	1,317.3	1,526.6	791.8	932.9
85 & Older	1,183	540	643	30,080	12,023	18,057	3,932.8	4,491.4	3,560.9	3,708.7	4,157.0	4,112.6	4,870.2	3,285.7	3,836.2
Unknown	0	0	0												
Total	3,803	2,133	1,670	3,746,292	1,803,811	1,942,481	101.5	118.2	86.0	98.3	104.7	113.2	123.3	81.8	90.1
Age-Adjusted							149.2	190.5	117.8	144.3	154.1	182.1	198.9	112.1	123.6
BLACK															
Under 1	11	5	6	29,741	15,112	14,629	37.0 *	33.1 *	41.0 *	15.1	58.8	4.1	62.1	8.2	73.8
1 to 4	2	1	1	132,430	67,365	65,065	1.5 *	1.5 *	1.5 *	0.0	3.6	0.0	4.4	0.0	4.5
5 to 14	11	7	4	397,484	201,951	195,533	2.8 *	3.5 *	2.0 *	1.1	4.4	0.9	6.0	0.0	4.1
15 to 24	20	17	3	326,641	167,718	158,923	6.1	10.1 *	1.9 *	3.4	8.8	5.3	15.0	0.0	4.0
25 to 34	53	38	15	331,100	165,044	166,056	16.0	23.0	9.0 *	11.7	20.3	15.7	30.3	4.5	13.6
35 to 44	214	131	83	383,161	190,459	192,702	55.9	68.8	43.1	48.4	63.3	57.0	80.6	33.8	52.3
45 to 54	516	338	178	274,820	132,042	142,778	187.8	256.0	124.7	171.6	204.0	228.7	283.3	106.4	143.0
55 to 64	758	474	284	164,079	76,569	87,510	462.0	619.0	324.5	429.1	494.9	563.3	674.8	286.8	362.3
65 to 74	1,115	588	527	105,017	46,402	58,615	1,061.7	1,267.2	899.1	999.4	1,124.1	1,164.8	1,369.6	822.3	975.9
75 to 84	1,335	625	710	58,654	22,382	36,272	2,276.1	2,792.4	1,957.4	2,154.0	2,398.2	2,573.5	3,011.3	1,813.4	2,101.4
85 & Older	1,238	381	857	19,689	5,604	14,085	6,287.8	6,798.7	6,084.5	5,937.5	6,638.0	6,116.0	7,481.4	5,677.1	6,491.9
Unknown	0	0	0												
Total	5,273	2,605	2,668	2,222,816	1,090,648	1,132,168	237.2	238.8	235.7	230.8	243.6	229.7	248.0	226.7	244.6
Age-Adjusted							348.4	419.6	296.1	338.8	358.0	402.4	436.8	284.8	307.4
HISPANIC															
Under 1	27	11	16	237,496	121,585	115,911	11.4	9.0 *	13.8 *	7.1	15.7	3.7	14.4	7.0	20.6
1 to 4	8	6	2	948,679	484,068	464,611	0.8 *	1.2 *	0.4 *	0.3	1.4	0.2	2.2	0.0	1.0
5 to 14	13	8	5	2,299,957	1,175,384	1,124,573	0.6 *	0.7 *	0.4 *	0.3	0.9	0.2	1.2	0.1	0.8
15 to 24	28	19	9	2,027,816	1,080,868	946,948	1.4	1.8	1.0 *	0.9	1.9	1.0	2.5	0.3	1.6
25 to 34	74	54	20	2,060,173	1,095,849	964,324	3.6	4.9	2.1	2.8	4.4	3.6	6.2	1.2	3.0
35 to 44	209	149	60	1,604,089	826,047	778,042	13.0	18.0	7.7	11.3	14.8	15.1	20.9	5.8	9.7
45 to 54	469	352	117	941,053	462,923	478,130	49.8	76.0	24.5	45.3	54.3	68.1	84.0	20.0	28.9
55 to 64	822	549	273	481,558	224,626	256,932	170.7	244.4	106.3	159.0	182.4	224.0	264.9	93.6	118.9
65 to 74	1,417	855	562	300,409	131,275	169,134	471.7	651.3	332.3	447.1	496.3	607.6	695.0	304.8	359.8
75 to 84	1,850	940	910	141,486	57,595	83,891	1,307.5	1,632.1	1,084.7	1,248.0	1,367.1	1,527.7	1,736.4	1,014.3	1,155.2
85 & Older	1,835	649	1,186	40,269	13,429	26,840	4,556.9	4,832.8	4,418.8	4,348.4	4,765.4	4,461.0	5,204.6	4,167.3	4,670.3
Unknown	3	3	0												
Total	6,755	3,595	3,160	11,082,985	5,673,649	5,409,336	60.9	63.4	58.4	59.5	62.4	61.3	65.4	56.4	60.5
Age-Adjusted							185.1	226.9	153.6	180.5	189.8	218.6	235.1	148.1	159.1

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.
Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.
The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 4 (Continued)
HEART DISEASE DEATHS
BY RACE/ETHNICITY, AGE, AND SEX
CALIFORNIA, 2000
(By Place of Residence)

AGE GROUPS	DEATHS			POPULATION			RATES			95% CONFIDENCE LIMITS					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL		MALE		FEMALE	
										LOWER	UPPER	LOWER	UPPER	LOWER	UPPER
TOTAL															
Under 1	63	34	29	491,073	251,541	239,532	12.8	13.5	12.1	9.7	16.0	9.0	18.1	7.7	16.5
1 to 4	16	9	7	1,990,873	1,018,496	972,377	0.8 *	0.9 *	0.7 *	0.4	1.2	0.3	1.5	0.2	1.3
5 to 14	39	22	17	5,310,526	2,720,715	2,589,811	0.7	0.8	0.7 *	0.5	1.0	0.5	1.1	0.3	1.0
15 to 24	81	57	24	4,860,696	2,532,547	2,328,149	1.7	2.3	1.0	1.3	2.0	1.7	2.8	0.6	1.4
25 to 34	267	190	77	5,245,273	2,702,010	2,543,263	5.1	7.0	3.0	4.5	5.7	6.0	8.0	2.4	3.7
35 to 44	1,183	864	319	5,499,218	2,780,657	2,718,561	21.5	31.1	11.7	20.3	22.7	29.0	33.1	10.4	13.0
45 to 54	3,221	2,395	826	4,376,695	2,156,077	2,220,618	73.6	111.1	37.2	71.1	76.1	106.6	115.5	34.7	39.7
55 to 64	5,791	4,052	1,739	2,641,560	1,270,830	1,370,730	219.2	318.8	126.9	213.6	224.9	309.0	328.7	120.9	132.8
65 to 74	11,072	6,727	4,345	1,894,010	858,793	1,035,217	584.6	783.3	419.7	573.7	595.5	764.6	802.0	407.2	432.2
75 to 84	21,296	11,008	10,288	1,294,989	530,932	764,057	1,644.5	2,073.3	1,346.5	1,622.4	1,666.6	2,034.6	2,112.1	1,320.5	1,372.5
85 & Older	25,492	8,569	16,923	438,285	139,496	298,789	5,816.3	6,142.8	5,663.9	5,744.9	5,887.7	6,012.8	6,272.9	5,578.5	5,749.2
Unknown	12	11	1												
Total	68,533	33,938	34,595	34,043,198	16,962,094	17,081,104	201.3	200.1	202.5	199.8	202.8	198.0	202.2	200.4	204.7
Age-Adjusted							236.3	289.4	194.8	234.6	238.1	286.3	292.6	192.7	196.8
PACIFIC ISLANDER															
Under 1	0	0	0	1,549	808	741	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	6,723	3,451	3,272	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	19,919	10,178	9,741	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	1	0	1	19,722	10,093	9,629	5.1 *	0.0 +	10.4 *	0.0	15.0	-	-	0.0	30.7
25 to 34	1	1	0	19,378	9,582	9,796	5.2 *	10.4 *	0.0 +	0.0	15.3	0.0	30.9	-	-
35 to 44	10	4	6	18,657	9,368	9,289	53.6 *	42.7 *	64.6 *	20.4	86.8	0.9	84.5	12.9	116.3
45 to 54	27	22	5	12,625	6,288	6,337	213.9	349.9	78.9 *	133.2	294.5	203.7	496.1	9.7	148.1
55 to 64	38	26	12	6,958	3,397	3,561	546.1	765.4	337.0 *	372.5	719.8	471.2	1,059.6	146.3	527.7
65 to 74	42	28	14	3,792	1,804	1,988	1,107.6	1,552.1	704.2 *	772.6	1,442.6	977.2	2,127.0	335.3	1,073.1
75 to 84	36	19	17	1,472	624	848	2,445.7	3,044.9	2,004.7 *	1,646.7	3,244.6	1,675.7	4,414.0	1,051.7	2,957.7
85 & Older	11	4	7	405	147	258	2,716.0 *	2,721.1 *	2,713.2 *	1,111.0	4,321.1	54.4	5,387.8	703.2	4,723.1
Unknown	0	0	0												
Total	166	104	62	111,200	55,740	55,460	149.3	186.6	111.8	126.6	172.0	150.7	222.4	84.0	139.6
Age-Adjusted							311.5	403.5	230.5	258.9	364.2	314.0	493.1	168.5	292.4
WHITE															
Under 1	19	14	5	155,299	79,680	75,619	12.2	17.6 *	6.6 *	6.7	17.7	8.4	26.8	0.8	12.4
1 to 4	3	0	3	644,970	331,193	313,777	0.5 *	0.0 +	1.0 *	0.0	1.0	-	-	0.0	2.0
5 to 14	7	3	4	1,904,163	979,233	924,930	0.4 *	0.3 *	0.4 *	0.1	0.6	0.0	0.7	0.0	0.9
15 to 24	25	16	9	1,794,122	925,355	868,767	1.4	1.7 *	1.0 *	0.8	1.9	0.9	2.6	0.4	1.7
25 to 34	117	84	33	2,083,017	1,066,877	1,016,140	5.6	7.9	3.2	4.6	6.6	6.2	9.6	2.1	4.4
35 to 44	672	513	159	2,742,427	1,398,317	1,344,110	24.5	36.7	11.8	22.7	26.4	33.5	39.9	10.0	13.7
45 to 54	2,012	1,535	477	2,535,616	1,269,871	1,265,745	79.3	120.9	37.7	75.9	82.8	114.8	126.9	34.3	41.1
55 to 64	3,776	2,727	1,049	1,641,307	804,962	836,345	230.1	338.8	125.4	222.7	237.4	326.1	351.5	117.8	133.0
65 to 74	7,721	4,801	2,920	1,240,624	573,721	666,903	622.3	836.8	437.8	608.5	636.2	813.1	860.5	422.0	453.7
75 to 84	16,712	8,673	8,039	962,896	394,629	568,267	1,735.6	2,197.8	1,414.7	1,709.3	1,761.9	2,151.5	2,244.0	1,383.7	1,445.6
85 & Older	21,163	6,974	14,189	343,548	106,876	236,672	6,160.1	6,525.3	5,995.2	6,077.1	6,243.1	6,372.2	6,678.5	5,896.6	6,093.9
Unknown	9	8	1												
Total	52,236	25,348	26,888	16,047,989	7,930,714	8,117,275	325.5	319.6	331.2	322.7	328.3	315.7	323.6	327.3	335.2
Age-Adjusted							250.4	308.4	204.1	248.3	252.6	304.6	312.2	201.6	206.5
TWO OR MORE RACES															
Under 1	0	0	0	22,030	11,299	10,731	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
1 to 4	0	0	0	70,383	35,859	34,524	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
5 to 14	0	0	0	159,161	80,445	78,716	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
15 to 24	0	0	0	110,712	53,977	56,735	0.0 +	0.0 +	0.0 +	-	-	-	-	-	-
25 to 34	1	1	0	80,840	38,958	41,882	1.2 *	2.6 *	0.0 +	0.0	3.7	0.0	7.6	-	-
35 to 44	8	7	1	77,748	37,181	40,567	10.3 *	18.8 *	2.5 *	3.2	17.4	4.9	32.8	0.0	7.3
45 to 54	9	3	6	55,803	26,327	29,476	16.1 *	11.4 *	20.4 *	5.6	26.7	0.0	24.3	4.1	36.6
55 to 64	11	4	7	31,014	14,674	16,340	35.5 *	27.3 *	42.8 *	14.5	56.4	0.5	54.0	11.1	74.6
65 to 74	19	12	7	18,728	8,608	10,120	101.5	139.4 *	69.2 *	55.8	147.1	60.5	218.3	17.9	120.4
75 to 84	27	14	13	9,868	4,142	5,726	273.6	338.0 *	227.0 *	170.4	376.8	160.9	515.1	103.6	350.5
85 & Older	14	4	10	2,876	969	1,907	486.8 *	412.8 *	524.4 *	231.8	741.8	8.3	817.3	199.4	849.4
Unknown	0	0	0												
Total	89	45	44	639,163	312,439	326,724	13.9	14.4	13.5	11.0	16.8	10.2	18.6	9.5	17.4
Age-Adjusted							33.6	38.1	29.8	26.4	40.9	26.1	50.1	20.8	38.7

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.
Two or More Races, White, Pacific Islander, Black, Asian and American Indian exclude Hispanic ethnicity.
Hispanic includes any race category.
The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent
+ Standard error indeterminate, death rate based on no (zero) deaths.
- Confidence limit is not calculated for no (zero) deaths.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.

TABLE 5
HEART DISEASE DEATHS
CALIFORNIA, 2001-2003
(By Place of Residence)

COUNTY	2001-2003 DEATHS (Average)	PERCENT	2002 POPULATION	CRUDE RATE	AGE-ADJUSTED RATE	95% CONFIDENCE LIMITS	
						LOWER	UPPER
CALIFORNIA	68,801.3	100.0	35,338,807	194.7	214.9	213.3	216.5
ALAMEDA ¹	2,610.7	3.8	1,488,074	175.4	204.9	197.0	212.8
ALPINE	2.0	a	1,292	154.8 *	193.0 *	0.0	462.9
AMADOR	107.7	0.2	36,637	293.9	224.9	181.9	268.0
BUTTE	621.0	0.9	209,770	296.0	229.0	210.8	247.2
CALAVERAS	112.0	0.2	42,524	263.4	202.1	164.0	240.2
COLUSA	43.0	0.1	19,635	219.0	242.6	170.0	315.1
CONTRA COSTA ¹	1,862.7	2.7	989,807	188.2	195.0	186.1	203.9
DEL NORTE	72.7	0.1	27,982	259.7	257.2	198.0	316.4
EL DORADO	315.0	0.5	165,463	190.4	199.5	177.2	221.7
FRESNO ¹	1,645.3	2.4	836,207	196.8	245.1	233.2	256.9
GLENN	58.3	0.1	26,969	216.3	201.3	149.5	253.1
HUMBOLDT	303.3	0.4	128,492	236.1	233.6	207.3	259.9
IMPERIAL	234.0	0.3	149,360	156.7	213.0	185.3	240.7
INYO	69.7	0.1	18,456	377.5	226.8	172.8	280.8
KERN ¹	1,634.7	2.4	697,856	234.2	271.9	258.6	285.1
KINGS	192.3	0.3	135,123	142.3	232.6	199.4	265.7
LAKE ¹	214.7	0.3	61,352	349.9	251.0	217.2	284.9
LASSEN	54.3	0.1	34,129	159.2	207.2	151.6	262.9
LOS ANGELES	19,229.0	27.9	9,889,170	194.4	216.8	213.7	219.8
MADERA	266.3	0.4	129,585	205.5	217.1	191.0	243.2
MARIN ¹	495.3	0.7	250,179	198.0	159.7	145.6	173.9
MARIPOSA	50.3	0.1	17,589	286.2	213.5	154.1	272.9
MENDOCINO	216.3	0.3	88,353	244.9	225.1	195.0	255.2
MERCED ¹	392.0	0.6	223,904	175.1	249.5	224.6	274.3
MODOC	33.3	a	9,400	354.6	251.1	165.5	336.7
MONO	11.7	a	13,441	86.8 *	161.2 *	56.5	265.9
MONTEREY ¹	649.7	0.9	413,819	157.0	192.4	177.6	207.2
NAPA ¹	337.7	0.5	128,966	261.8	187.7	167.3	208.1
NEVADA	258.0	0.4	96,045	268.6	202.3	177.4	227.1
ORANGE	5,181.3	7.5	2,959,646	175.1	213.8	208.0	219.7
PLACER ¹	571.7	0.8	273,338	209.1	189.6	174.1	205.2
PLUMAS ¹	49.7	0.1	21,117	235.2	158.0	113.3	202.7
RIVERSIDE ¹	4,146.0	6.0	1,682,408	246.4	250.2	242.5	257.8
SACRAMENTO	2,675.3	3.9	1,302,647	205.4	224.8	216.2	233.3
SAN BENITO ¹	64.0	0.1	55,955	114.4	170.2	128.0	212.3
SAN BERNARDINO ¹	3,456.0	5.0	1,816,398	190.3	284.0	274.5	293.6
SAN DIEGO ¹	5,420.7	7.9	2,944,585	184.1	206.6	201.1	212.1
SAN FRANCISCO ¹	1,708.7	2.5	788,292	216.8	190.2	181.2	199.3
SAN JOAQUIN ¹	1,333.3	1.9	607,896	219.3	277.1	262.2	292.0
SAN LUIS OBISPO ¹	553.3	0.8	255,449	216.6	182.2	167.0	197.4
SAN MATEO ¹	1,254.3	1.8	711,793	176.2	164.3	155.2	173.4
SANTA BARBARA ¹	829.3	1.2	408,471	203.0	190.3	177.3	203.3
SANTA CLARA ¹	2,377.0	3.5	1,717,059	138.4	173.0	166.1	180.0
SANTA CRUZ	491.3	0.7	259,164	189.6	206.2	187.8	224.6
SHASTA	490.7	0.7	172,130	285.1	203.6	185.2	222.0
SIERRA	10.3	a	3,524	293.2 *	176.7 *	67.8	285.5
SISKIYOU	138.0	0.2	44,628	309.2	215.7	179.4	252.1
SOLANO ¹	668.3	1.0	411,498	162.4	173.1	159.8	186.4
SONOMA ¹	1,017.7	1.5	470,723	216.2	183.1	171.7	194.5
STANISLAUS ¹	1,196.7	1.7	477,919	250.4	288.9	272.5	305.3
SUTTER ¹	209.3	0.3	82,696	253.1	262.6	227.0	298.2
TEHAMA	159.7	0.2	57,649	277.0	196.9	165.8	228.0
TRINITY ¹	28.0	a	13,271	211.0	151.4	94.0	208.9
TULARE ¹	756.7	1.1	383,164	197.5	264.4	245.5	283.3
TUOLUMNE	165.3	0.2	56,545	292.4	216.4	183.1	249.6
VENTURA ¹	1,336.0	1.9	788,282	169.5	189.1	178.9	199.2
YOLO	267.7	0.4	180,193	148.5	196.1	172.5	219.7
YUBA ¹	152.0	0.2	62,788	242.1	293.8	246.7	340.9

Note : Rates are per 100,000 population. ICD-10 codes I00-I09,I11,I13,I20-I51.

The year 2000 U.S. standard population is used for age-adjusted rates.

* Death rate unreliable, relative standard error is greater than or equal to 23 percent.

¹ County age-adjusted rate is significantly different from California age-adjusted rate.

a Represents a percentage of more than zero but less than 0.05.

Source : State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 2000-2050. May 2004.
State of California, Department of Health Services, Death Records.